LEWDEN ELECTRICAL INDUSTRIES

Palazzo

2011 2012

general catalogue

Designer of electrical systems

PRODUCT



1904
BIRTH



1971
TAIS

1990/95
TER



1999
MULTIMAX



2000
ULYSSE



2001
RINO



2002
PRIMA



2003
ATEX

LINE UP



2004
ENERGY-BOX
CAM-ST



2005
B-SMART



2007
TAIS TRE



2008
MULTIPLAY



2009
topTER



2010
Tunnel 54



TECHNICAL ASSISTANCE

+39 030 20 15 270

After you purchase the product, we will assist you in installing and carrying out electrical systems that are certifiable according to law 37/08.

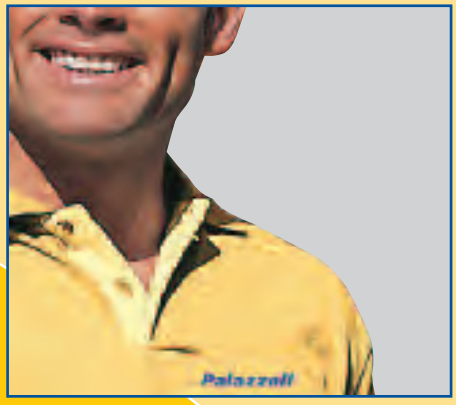




DESIGN ASSISTANCE

In order to quickly solve the technical problems you might have and get computer system assistance, just contact our key accounts at export@palazzoli.com





SALES NETWORK DIRECT ASSISTANCE www.palazzoli.com

Along with the technical support that we offer, we provide direct customer service or through the sales network to recommend the most suitable installation choice for you.





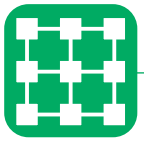
PRACTICAL USE ASSISTANCE

Thanks to consistent investment in training our agents, in the finest European retail outlets, you will find qualified staff that will assist you with the practical and most efficient use of our product range.



Solutions for any application requirement

SECTION SYMBOLS:



INSTALLATION

Here you can find equipment for:
- SERVICE SECTOR: hypermarkets, motorway service stations, hospitals, kitchens, laboratories, trade fairs, schools, cinemas, theatres and airports.
- INDUSTRY: woodworks, steelworks, foundries, mines and rolling mills.
- OUTDOOR AREAS: camp sites, tunnels, viaducts, building sites, bridges, market areas, quarries, harbours and parks.

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MARINE

Here you can find equipment for:
- ABOARD SHIP: external bridges, walkways meeting and entertainment areas, engine rooms, kitchens and laundries, auxiliary and technical machine rooms, garages and workshops.
- ASHORE: docks, harbour quays, container handling, sheds warehouses and costal zones.

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ATEX

Here you can find equipment for: fuel depots, chemical and petrochemical industries, pig and cattle farms, oil rigs, painting departments, silos for cereals, pharmaceutical industries, woodworks, food agriculture industries, oil refineries, agricultural and livestock structures, battery recharging zones, alcohol distilleries, power stations, perfume production, large kitchens, confectioners and bakeries.

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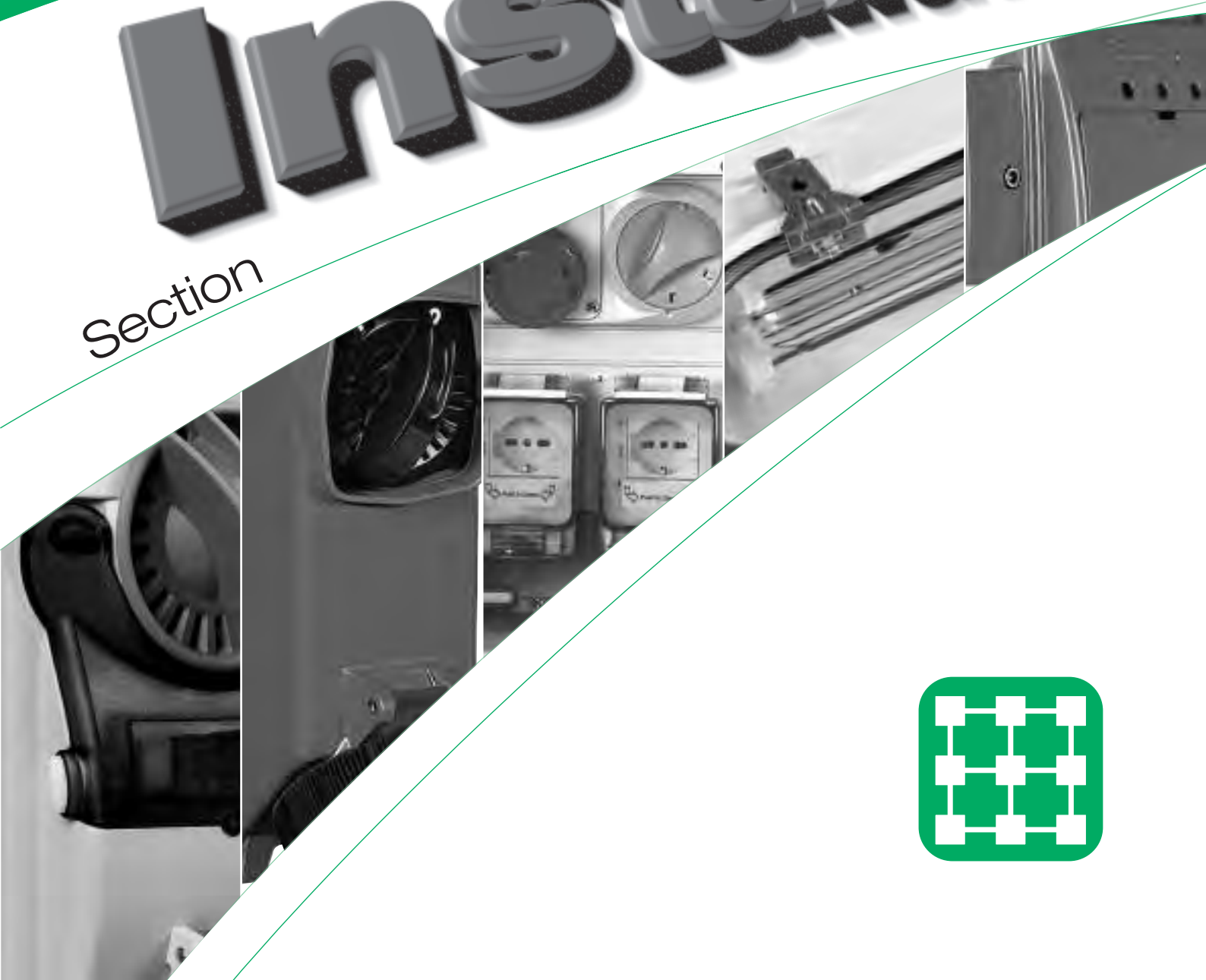
AUTOMATION

Here you can find equipment for:
- SERVICE SECTOR: production of automation panels on board machines, directly installed on electrical equipment such as welders, electricity generators, water jet cleaners and electric household appliances.
- LIGHT AND HEAVY INDUSTRY: for local control and sectioning of user appliances such as, for example, pumps, extractor fans, mills, compressors and, in general, wherever there are heavy loads frequently used, in industrial factories, rolling mills, train locomotives, port areas, airports, refrigerator cells, quarries, steelworks, foundries and mines. For emergency systems and environments at high risk in case of fire.

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Installation

Section



PLUGS, SOCKET-OUTLETS, INDUSTRIAL DISTRIBUTION BOARDS AND TURRETS



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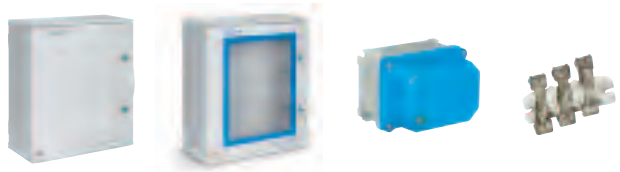


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BOARDS, ENCLOSURES, CONTROL UNITS AND FITTINGS



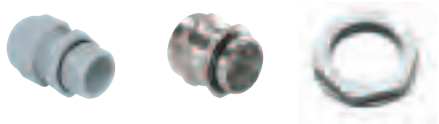
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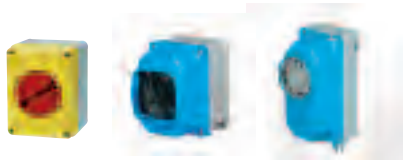
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CONNECTIONS, SHUNTS AND LIGHTING

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CEE
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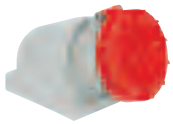


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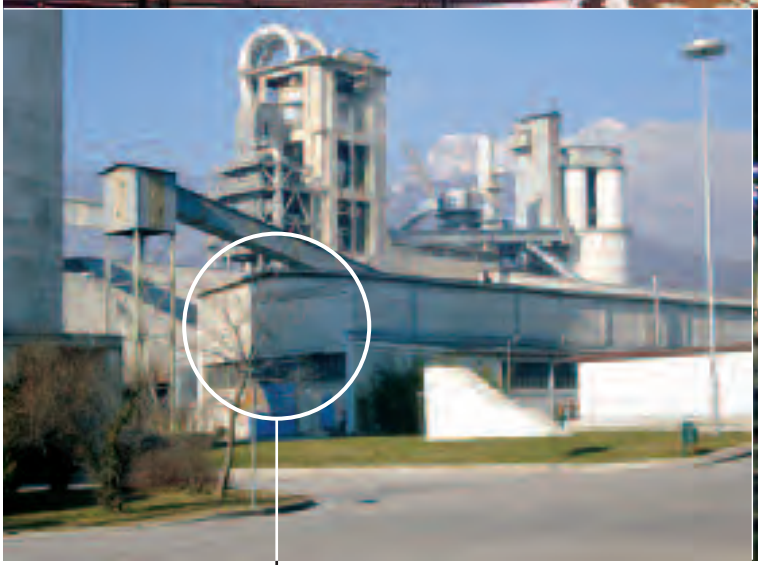
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DISTRIBUTION, AUTOMATION AND LIGHTING



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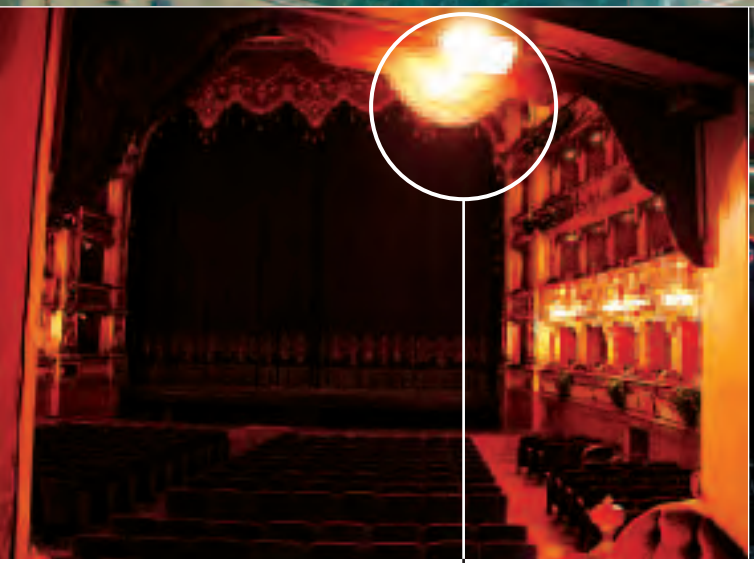


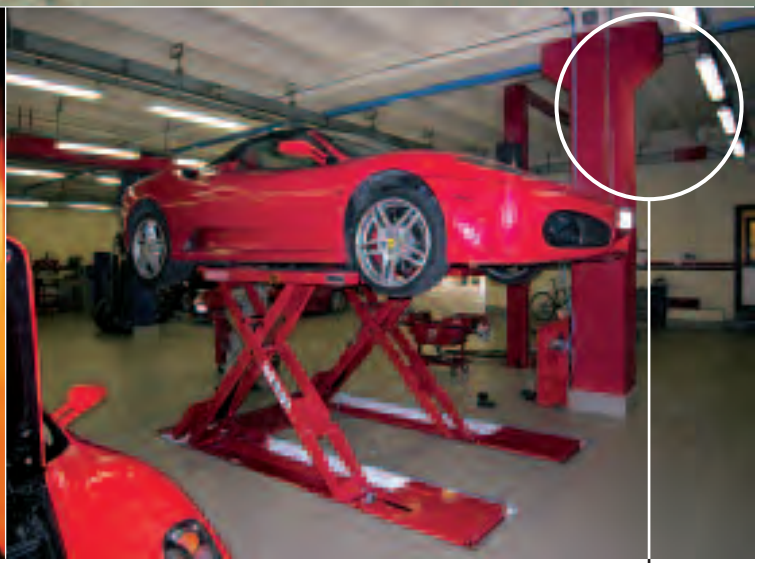
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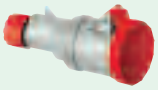
PLUGS, INDUSTRIAL SOCKET-OUTLETS, MULTIPLIERS AND ADAPTORS

The products and the recommended applications

SERVICE SECTOR		INDUSTRY			MAJOR FIRE RISK	BUILDING SITE
Bar Motorway cafes Wellness centres Hypermarkets Offices Trade fairs Photo studios	Parks Outlets Forecourt outlets Playgrounds	Plastic molding Manifacturing Textile Technical rooms	Cellars Dairies Butchery Canning Ham factory Feed mill companies	Rail Oil Metallurgic Mechanical Pharmaceutical Chemical Cement Ironmaking Airports Race tracks	Schools Museums Libraries Shopping centres Hotels Hospitals Nursing home Warehouse Public entertainment centres	Circuses Patronal feasts Markets Building sites Quarries Shipyards

RAPID WIRING


MULTIMAX IP44


MULTIMAX IP67


topTER IP44


topTER IP66/IP67


topTER IP44


topTER IP67


MULTIPLAY IP44

HEAVY DUTY USES


CEE IP44


CEE IP67


CEE IP67


CEE IP67


MULTIPLAY IP67


CEE IP44


CEE IP67


CEE IP67


CEE IP67


CEE IP67

Rapid wiring



MULTIMAX 16
Rapid wiring plugs



CEE 17
High performance 90° angled plugs



CEE 18
High performance fixed plugs



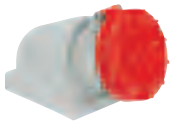
MULTIMAX 19
Rapid wiring plugs



topTER 20
Fixed socket-outlets for distribution boards



topTER 23
Wall-mounted fixed socket-outlets



topTER 23
90° angled wall-mounted fixed socket-outlets

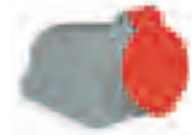
Heavy duty uses and special applications



CEE 25
High performance plugs



CEE 27
High performance straight connectors



CEE 30
High performance fixed socket-outlets for distribution boards



CEE 30
High performance wall-mounted fixed socket-outlets



ALUPRES 30
Fixed socket-outlet with aligned poles in aluminium alloy



ALUPRES 25
Plug with aligned poles in aluminium alloy



CEE 31
Technical accessories

Very low voltage



CEE 32
Very low voltage high performance plugs and socket-outlets

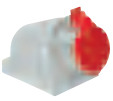
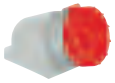
Multipliers and adaptors



MULTIPLAY 37
Multipliers and adaptors

INDUSTRIAL PLUGS AND SOCKET-OUTLETS - RAPID WIRING
16A ÷ 63A

				MULTIMAX Series		CEE Series			
									
				page 16	page 16	page 17	page 17	page 18	page 18
Rated current (A)	Rated voltage (V)	No. poles	h ref.	Straight plugs IP44	Straight plugs IP67	90° straight plugs IP44	90° straight plugs IP67	90° wall-mounted plugs IP44	90° wall-mounted plugs IP67
16	110 100÷130	2P+⏚	4	700124	710124	475202	475203	476202	476203
		3P+⏚		700134		475212	475213	476212	476213
		3P+N+⏚		700144		475222	475223	476222	476223
	230 200÷250	2P+⏚	6	700126	710126	475302	475303	476302	476303
		3P+⏚	9	700139		475312	475313	476312	476313
		3P+N+⏚		700149		475322	475323	476322	476323
	400 380÷415	2P+⏚	9	700129		475402	475403	476402	476403
		3P+⏚	6	700136	710136	475412	475413	476412	476413
		3P+N+⏚		700146	710146	475422	475423	476422	476423
32	110 100÷130	2P+⏚	4	700224	710224			476205	476206
		3P+⏚		700234				476215	476216
		3P+N+⏚		700244				476225	476226
	230 200÷250	2P+⏚	6	700226	710226			476305	476306
		3P+⏚	9	700239				476315	476316
		3P+N+⏚		700249				476325	476326
	400 380÷415	2P+⏚	9	700229				476405	476406
		3P+⏚	6	700236	710236			476415	476416
		3P+N+⏚		700246	710246			476425	476426
63	230	2P+⏚	6		710326				
	400	3P+⏚			710336				
		3P+N+⏚			710346				

				MULTIMAX Series		topTER SERIES					
											
				page 19	page 19	page 20	page 20	page 23	page 23	page 23	page 23
Rated current (A)	Rated voltage (V)	No. poles	h ref.	Straight socket-outlets IP44	Straight socket-outlets IP67	Socket-outlets for distribution boards IP44	Socket-outlets for distribution boards IP66/IP67	Wall-mounted socket-outlets IP44	Wall-mounted socket-outlets IP67	90° wall-mounted socket-outlets IP44	90° wall-mounted socket-outlets IP67
16	110 100÷130	2P+⏚	4	720124	730124	488124	489124	485124	487124	508124	509124
		3P+⏚		720134		488134	489134	485134	487134		
		3P+N+⏚		720144		488144	489144	485144	487144		
	230 200÷250	2P+⏚	6	720126	730126	488126	489126	485126	487126	508126	509126
		3P+⏚	9	720139		488139	489139	485139	487139		
		3P+N+⏚		720149		488149	489149	485149	487149		
	400 380÷415	2P+⏚	9	720129		488129	489129	485129	487129		
		3P+⏚	6	720136	730136	488136	489136	485136	487136	508136	509136
		3P+N+⏚		720146	730146	488146	489146	485146	487146	508146	509146
32	110 100÷130	2P+⏚	4	720224	730224	488224	489224	485224	487224	508224	509224
		3P+⏚		720234		488234	489234	485234	487234		
		3P+N+⏚		720244		488244	489244	485244	487244		
	230 200÷250	2P+⏚	6	720226	730226	488226	489226	485226	487226	508226	509226
		3P+⏚	9	720239		488239	489239	485239	487239		
		3P+N+⏚		720249		488249	489249	485249	487249		
	400 380÷415	2P+⏚	9	720229		488229	489229	485229	487229		
		3P+⏚	6	720236	730236	488236	489236	485236	487236	508236	509236
		3P+N+⏚		720246	730246	488246	489246	485246	487246	508246	509246
	380/440	3P+⏚	3				489233		487233		
63	400 380÷415	2P+⏚	6		730326						509326
		3P+⏚			730336						509336
		3P+N+⏚			730346						509346

VERY LOW VOLTAGE INDUSTRIAL PLUGS AND SOCKET-OUTLETS - VERY THICK (CEE SERIES)
16A ÷ 32A











				page 32	page 32	page 33	page 34	page 34	page 35	page 35	page 36	page 36
Rated current (A)	Rated voltage (V)	No. poles	h ref.	Straight plugs IP44	Straight plugs IP67	90° wall-mounted plugs IP44	Straight socket-outlets IP44	Straight socket-outlets IP67	Socket-outlets for istribution boards IP44	Angled socket-outlets for distr. boards IP44	Socket-outlets for distribution board IP67	90° wall-mounted socket-outlets IP44
16	20÷25	2P	–	477002	477003	476002	473002	473003	471032	471062	471003	471002
		3P	–	477062	477063	476012	473062	473063	471042	471072	471063	471012
	40÷50	2P	12	477102	477103	476102	473102	473103	471132	471162	471103	471102
		3P	12	477112	477113	476112	473112	473113	471142	471172	471113	471112
	20÷25 40÷50	2P	4	477012	477013	476042	473012	473013	471051	471111	471013	471011
		3P	4	477122	477123	476142	473122	473123	471022	471122	471123	471151
		2P	10	477602	477603	476602	473602	473603	471632	471662	471603	471602
32	20÷25	2P	–	477005	477006	476005	473005	473006	471035	471065	471007	471005
		3P	–	477065	477066	476015	473065	473066	471045	471075	471067	471015
	40÷50	2P	12	477105	477106	476105	473105	473106	471135	471165	471107	471105
		3P	12	477115	477116	476115	473115	473116	471145	471175	471117	471115
	20÷25 40÷50	2P	4	477015	477016	476045	473015	473016	471108	471058	471017	471018
		3P	4	477175	477176	476145	473125	473126	471118	471059	471177	471019
		2P	10	477605	477606	476605	473605	473606	471635	471665	471607	471605

VERY LOW VOLTAGE - SPECIAL APPLICATIONS (CEE SERIES)
63A ÷ 125A

High current






				page 32	page 34	page 36	page 36
Rated current (A)	Rated voltage (V)	No. poles	h ref.	Straight plugs IP67	Straight socket-outlets IP67	Angled socket-outlets for distr. board IP67	Socket-outlets for distr. board IP67
63	48	2P	1	477951	473951	473961	473971
		3P	1	477952	473952	473962	473972
125	48	3P	1	477955	473955	473965	473975

Twin cable



				page 32	page 32
Rated current (A)	Rated voltage (V)	No. poles	h ref.	Straight plugs IP67	Straight socket-outlets IP67
32	48	2P	12	477107	473107
63	48	2P	1	477901	473901

INDUSTRIAL PLUGS AND SOCKET-OUTLETS - HEAVY DUTY USE AND SPECIAL APPLICATIONS
16A ÷ 250A

				MULTIMAX Series			CEE Series				
											
				page 24	page 28	page 24	page 25	page 27	page 28	page 29	page 30
Rated current (A)	Rated voltage (V)	No. poles	h ref.	Straight plugs IP44	Straight IP44	Straight plugs IP44	Straight plugs IP67	Straight socket-outlets IP67	Socket-outlets for distribution boards IP44	Angled socket-outlets for distr. bards IP67	90° wall-mounted plugs IP44
16	110 100÷130	2P+⏚	4			477202	477203	473203	431611	471263	471262
		3P+⏚				477212	477213	473213	441611	471273	471272
		3P+N+⏚				477222	477223	473223	451611	471223	471222
	230 200÷250	2P+⏚	6			477302	477303	473303	431622	471363	471362
		3P+⏚	9			477312	477313	473313	441622	471373	471372
		3P+N+⏚				477322	477323	473323	451622	471333	471332
	400 380÷415	2P+⏚	9			477402	477403	473403	431638	471463	471462
		3P+⏚	6			477412	477413	473413	441638	471473	471472
		3P+N+⏚				477422	477423	473423	451638	471483	471482
	500 480÷500	2P+⏚	7	700127	720127		477273	473503		471553	471552
		3P+⏚		700137	720137		477513	473513	441650	471573	471572
		3P+N+⏚		700147	720147		477523	473523		471563	471562
	690 600÷690	3P+⏚	5	700135	720135						
		3P+N+⏚		700145	720145						
	> 50 for insul. trans.	2P+⏚	12	701122	721122		477823	473823		471853	471852
		3P+⏚		701132	721132		477833	473833		471863	471862
	> 50	2P+⏚	10	700120	720120		477763	473763		471763	471762
		3P+⏚		700130	720130		477773	473773		471773	471772
		3P+N+⏚		700140	720140		477713	473713		471713	471712
	> 50	2P+⏚	2	700122	720122		477783	473783		471783	471782
		3P+⏚		700132	720132		477793	473793		471793	471792
		3P+N+⏚		700142	720142		477293	473723		471723	471722
	440÷460	3P+⏚	11	700131	720131		477453	473463		471583	471582
		3P+N+⏚		700141	720141		477533	473533		471593	471592
	> 50÷250	2P+⏚	3	700123	720123		477673	473673		471673	471672
	> 250	2P+⏚	8	700128	720128		477813	473813		471803	471802
32	110 100÷130	2P+⏚	4			477205	477206	473206	433211	471267	471266
		3P+⏚				477215	477216	473216	443211	471277	471276
		3P+N+⏚				477225	477226	473226	453211	471287	471286
	230 200÷250	2P+⏚	6			477305	477306	473306	433222	471367	471366
		3P+⏚	9			477315	477316	473316	443222	471377	471376
		3P+N+⏚				477325	477326	473326	453222	471387	471386
	400 380÷415	2P+⏚	9			477405	477406	473406	433238	471467	471466
		3P+⏚	6			477415	477416	473416	443238	471477	471476
		3P+N+⏚				477425	477426	473426	453238	471487	471486
	500 480÷500	2P+⏚	7	700227	720227		477556	473506		471556	471555
		3P+⏚		700237	720237		477516	473516	443250	471577	471576
		3P+N+⏚		700247	720247		477526	473526		471567	471566
	690 600÷690	3P+⏚	5	700235	720235						
		3P+N+⏚		700245	720245						
	> 50 for insul. trans.	2P+⏚	12	701222	721222		477826	473826		471857	471856
		3P+⏚		701232	721232		477836	473836		471867	471866
	> 50	2P+⏚	10	700220	720220		477706	473706		471767	471766
		3P+⏚		700230	720230		477716	473716		471717	471716
		3P+N+⏚		700240	720240		477276	473776		471777	471776
	> 50	2P+⏚	2	700222	720222		477726	473726		471787	471786
		3P+⏚		700232	720232		477736	473736		471737	471736
		3P+N+⏚		700242	720242		477296	473796		471797	471796
	440÷460	3P+⏚	11	700231	720231		477456	473466		471587	471586
		3P+N+⏚		700241	720241		477536	473536		471597	471596
	> 50÷250	2P+⏚	3	700223	720223		477676				
	380/440	3P+⏚	3	700233	720233		477486	473486		471437	471436
		3P+N+⏚		700243	720243		477586	473496		471447	471446
	> 250	2P+⏚	8	700228	720228		477816	473816		471806	471805

				CEE Series						
				 page 25	 page 26	 page 26	 page 27	 page 28	 page 29	 page 30
Rated current (A)	**Rated voltage (V)**	**No. poles**	**h ref.**	**Straight plugs IP67**	**Plugs for distr. boards IP67**	**90° Plugs for distribution boards IP67**	**Straight socket-outlets IP67**	**Socket-outlets for distribution boards IP67**	**Angled socket-outlets for distr. boards IP67**	**90° wall-mounted socket-outlets IP65**
63	110 100÷130	2P+⏚	4	477207	476207		473207	436311	536311	
		3P+⏚	4	477217	476217		473217	446311	546311	
		3P+N+⏚	4	477227	476227		473227	456311	556311	
	230 200÷250	2P+⏚	6	477307	476307		473307	436322	536322	
		3P+⏚	9	477317	476317		473317	446322	546322	
		3P+N+⏚	9	477327	476327		473327	456322	556322	
	400 380÷415	2P+⏚	9	477407	476407		473407	436338	536338	
		3P+⏚	6	477417	746338	745338	346338	446338	546338	445338
		3P+N+⏚	6	477427	756338	755338	356338	456338	556338	455338
	500 480÷500	3P+⏚	7	477517	476517		346350	446350	546350	
	> 50 for insul. trans.	2P+⏚	12	477827	476827		473827	436312	536312	
		3P+⏚	12	477367	476837		473837	446312	546312	
	440÷460	3P+⏚	11	477457	476457		473467	446344	546344	
		3P+N+⏚	11	477537	476537		473537	456344	556344	
	> 50÷250	2P+⏚	3	477677						
125	110 100÷130	3P+⏚	4	477218	476218		473218	449311	549311	
		3P+N+⏚	4	477228	476228		473228	459311	559311	
	230 200÷250	3P+⏚	9	477318	476318		473318	449322	549322	
		3P+N+⏚	9	477328	476328		473328	459322	559322	
	400 380÷415	3P+⏚	6	249538	749538	748538	349538	449538	549538	448538
		3P+N+⏚	6	259538	759538	758538	359538	459538	559538	458538
	500 480÷500	3P+⏚	7	249550	749550		349550	449550	549550	
	> 50 for insul. trans.	3P+⏚	12	477368	476838		473838	449312	549312	
	440÷460	3P+⏚	11	477458	476458		473468	449344	549344	
		3P+N+⏚	11	477538	476538		473538	459344	559344	

				ALUPRES series	
				 page 25	 page 30
Rated current (A)	**Rated current (V)**	**No. poles**	**h ref.**	**Straight plugs IP55**	**Wall-mounted socket-outlets IP55**
250	500 480÷500	3P+⏚	-	427019	421029

MULTIMAX series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60309-1			IEC 60309-1
	CEI EN 60309-2			IEC 60309-2
	CEI EN 60529			IEC 60529
Protection rating:	IP44/IP67			
Impact resistance:	> IK 08			
Glow wire test:	850°C insert			
Self-extinguishing grade:	V2			
Temperature	Operating:			-25°C - +50°C
resistance:	Storage:			-30°C - +70°C
Cable input: stepped gland	16A	2P+⏚	min: 8	max: 13 mm
		2P+⏚	min: 8,5	max: 14 mm
		3P+N+⏚	min: 10	max: 15.5 mm
	32A	2P+⏚	min: 11,5	max: 17.5 mm
		2P+⏚	min: 12,5	max: 19.5 mm
		3P+N+⏚	min: 14	max: 21,5 mm
	63A	2P+⏚	min: 17	max: 26 mm
		2P+⏚	min: 19	max: 28,5 mm
		3P+N+⏚	min: 21	max: 31.5 mm
Connecting sections	16A		min: 1	max: 2.5 mm²
of the wires	32A		min: 2,5	max: 6 mm²
	63A		min: 4	max: 10 mm²



MULTIMAX SERIES
Protected straight plugs rapid wiring low voltage
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**700124**	10
	50-60Hz	110V	yellow	3P+⏚	4	**700134**	5
	50-60Hz	110V	yellow	3P+N+⏚	4	**700144**	5
	50-60Hz	230V	blue	2P+⏚	6	**700126**	10
	50-60Hz	230V	blue	3P+⏚	9	**700139**	5
	50-60Hz	230V	blue	3P+N+⏚	9	**700149**	5
	50-60Hz	400V	red	2P+⏚	9	**700129**	5
	50-60Hz	400V	red	3P+⏚	6	**700136**	10
	50-60Hz	400V	red	3P+N+⏚	6	**700146**	10
32	50-60Hz	110V	yellow	2P+⏚	4	**700224**	5
	50-60Hz	110V	yellow	3P+⏚	4	**700234**	5
	50-60Hz	110V	yellow	3P+N+⏚	4	**700244**	5
	50-60Hz	230V	blue	2P+⏚	6	**700226**	5
	50-60Hz	230V	blue	3P+⏚	9	**700239**	5
	50-60Hz	230V	blue	3P+N+⏚	9	**700249**	5
	50-60Hz	400V	red	2P+⏚	9	**700229**	5
	50-60Hz	400V	red	3P+⏚	6	**700236**	5
	50-60Hz	400V	red	3P+N+⏚	6	**700246**	5

Characteristics:
all products are packed separately.
Notes:
special versions on page 24.



MULTIMAX SERIES
Watertight straight plugs
rapid wiring
low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**710124**	10
	50-60Hz	230V	blue	2P+⏚	6	**710126**	10
	50-60Hz	400V	red	3P+⏚	6	**710136**	10
	50-60Hz	400V	red	3P+N+⏚	6	**710146**	10
32	50-60Hz	110V	yellow	2P+⏚	4	**710224**	10
	50-60Hz	230V	blue	2P+⏚	6	**710226**	10
	50-60Hz	400V	red	3P+⏚	6	**710236**	6
	50-60Hz	400V	red	3P+N+⏚	6	**710246**	6

Uses:
suitable for general use, the speed and simplicity of wiring make them particularly ideal for series operations. The colour of the data label indicates the electrical characteristics.
Complementary items:
straight socket-outlets on page 19



MULTIMAX SERIES
Watertight straight plugs 63A
rapid wiring
low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	230V	blue	2P+⏚	6	**710326**	1
	50-60Hz	400V	red	3P+⏚	6	**710336**	1
	50-60Hz	400V	red	3P+N+⏚	6	**710346**	1

Uses:
suitable for general use, the speed and simplicity of wiring make them particularly ideal for series operations. The colour of the cover and cable clamp indicates the electrical characteristics.
Complementary items:
Straight socket-outlets on page 19.

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CEE series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60309-1 IEC 60309-1 CEI EN 60309			
	IEC -2 IEC 60309-2, CEI EN 60529, IEC 60529			
Protection rating:	IP44/IP67			
Impact resistance:	> IK 08			
Glow-wire test:	850°C insert			
Self-extinguishing:	V2			
Temperature resistance:	Operating:			-25°C ÷ +50°C
	Storage:			-40°C ÷ +80°C
Cable entry: stepped gland	16A	2P+⏚Pg13,5	min: 8	max: 13 mm
		2P+⏚Pg16	min: 8,5	max: 14 mm
		3P+N+⏚Pg16	min: 10	max: 15.5 mm
	32A	2P+⏚Pg21	min: 11,5	max: 17.5 mm
		3P+⏚Pg21	min: 12,5	max: 19.5 mm
		3P+N+⏚Pg21	min: 14	max: 21.5 mm
Connecting sections of the wires	16A		min: 1	max: 2.5 mm²
	32A		min: 2,5	max: 6 mm²



CEE SERIES
High performance 90° angled protected **appliance inlets**, low voltage
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli Code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**475202**	1
	50-60Hz	110V	yellow	3P+⏚	4	**475212**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**475222** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**475302**	1
	50-60Hz	230V	blue	3P+⏚	9	**475312**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**475322** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**475402**	1
	50-60Hz	400V	red	3P+⏚	6	**475412**	1
	50-60Hz	400V	red	3P+N+⏚	6	**475422**	1

✦ Supplied on request.

Characteristics:
nickel-plated and rounded pins with easy insertion. Cable entry with screw type cable gland. Very thick (> IK 08) and self-extinguishing plug body GWT: 850°C - UL94:V2.
Uses:
in small spaces, ensuring reliable performance. Keep the cable insulated by preventing it from bending.
Complementary items:
Straight connectors on page 19.



CEE SERIES
High performance **90° angled watertight appliance inlet,** very low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**475203**	1
	50-60Hz	110V	yellow	3P+⏚	4	**475213** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**475223** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**475303**	1
	50-60Hz	230V	blue	3P+⏚	9	**475313**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**475323** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**475403**	1
	50-60Hz	400V	red	3P+⏚	6	**475413**	1
	50-60Hz	400V	red	3P+N+⏚	6	**475423**	1

✦ Supplied on request.

Characteristics:
nickel-plated and rounded pins with easy insertion. Cable entry with screw type cable gland. Very thick and self-extinguishing plug body GWT:850°C - UL94:V2.
Uses:
in small spaces, ensuring reliable performance. Keep the cable insulated by preventing it from bending.
Complementary items:
Straight connectors on page 19.

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CEE SERIES
Protected wall-mounted 90° angled appliance inlets, high performances and low voltage
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli Code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**476202**	1
	50-60Hz	110V	yellow	3P+⏚	4	**476212**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**476222**	1
	50-60Hz	230V	blue	2P+⏚	6	**476302**	1
	50-60Hz	230V	blue	3P+⏚	9	**476312**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**476322**	1
	50-60Hz	400V	red	2P+⏚	9	**476402**	1
	50-60Hz	400V	red	3P+⏚	6	**476412**	1
	50-60Hz	400V	red	3P+N+⏚	6	**476422**	1
32	50-60Hz	110V	yellow	2P+⏚	4	**476205** ✦	1
	50-60Hz	110V	yellow	3P+⏚	4	**476215** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**476225** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**476305**	1
	50-60Hz	230V	blue	3P+⏚	9	**476315**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**476325** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**476405** ✦	1
	50-60Hz	400V	red	3P+⏚	6	**476415**	1
	50-60Hz	400V	red	3P+N+⏚	6	**476425**	1

✦ Supplied on request.

Complementary items: straight connectors on page 19.



CEE SERIES
Watertight wall-mounted 90°angled appliance inlets, high performances and low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli Code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**476203**	1
	50-60Hz	110V	yellow	3P+⏚	4	**476213**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**476223** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**476303**	10
	50-60Hz	230V	blue	3P+⏚	9	**476313**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**476323** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**476403**	1
	50-60Hz	400V	red	3P+⏚	6	**476413**	1
	50-60Hz	400V	red	3P+N+⏚	6	**476423**	1
32	50-60Hz	110V	yellow	2P+⏚	4	**476206** ✦	1
	50-60Hz	110V	yellow	3P+⏚	4	**476216** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**476226** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**476306**	1
	50-60Hz	230V	blue	3P+⏚	9	**476316**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**476326** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**476406** ✦	1
	50-60Hz	400V	red	3P+⏚	6	**476416**	1
	50-60Hz	400V	red	3P+N+⏚	6	**476426**	1
	50-60Hz	380/440V	red	3P+⏚	3	**476486**	1

✦ Supplied on request.

Characteristics: smooth upper wall for drilling cable entry holes. 32A plugs with two-screw terminals. Very thick (> IK 08) and self-extinguishing plug body and case GWT: 850°C – UL94:V2.
Uses: suitable for both wall-mounting and mounting on machines.
Complementary items: straight connectors on page 19.



CEE SERIES
Watertight covers for fixed plugs
IP67

For plugs types	Palazzoli Code	Pack Q.ty
16A 2P+⏚	**476903**	1
16A 3P+⏚	**476913**	1
16A 3P+N+⏚	**476923**	10
32A 2P+T,32A 3P+⏚	**476905**	1
32A 3P+N+⏚	**476925**	10

Characteristics: make sure there is protection rating IP67 when the plug is not in use.
Uses: particularly suitable in construction sites and in all environments with the presence of water, dust and corrosive substances.

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MULTIMAX series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60309-1			IEC 60309-1
	CEI EN 60309-2			IEC 60309-2
	CEI EN 60529			IEC 60529
Protection rating:	IP44/IP67			
Impact resistance:	> IK 08			
Glow wire test:	850°C insert			
Self-extinguishing grade:	V2			
Temperature	Operating:			-25°C - +50°C
resistance:	Storage:			-30°C - +70°C
Cable entry: stepped gland	16A	2P+⏚	min: 8	max: 13 mm
		3P+⏚	min: 8,5	max: 14 mm
		3P+N+⏚	min: 10	max: 15,5 mm
	32A	2P+⏚	min: 11,5	max: 17,5 mm
		3P+⏚	min: 12,5	max: 19,5 mm
		3P+N+⏚	min: 14	max: 21,5 mm
	63A	2P+⏚	min: 17	max: 26 mm
		3P+⏚	min: 19	max: 28,5 mm
		3P+N+⏚	min: 21	max: 31,5 mm
Sezioni allacciabili	16A		min: 1	max: 2,5 mm²
dei conduttori	32A		min: 2,5	max: 6 mm²
	63A		min: 4	max: 10 mm²



MULTIMAX SERIES
Protected straight connectors,
rapid wiring and low voltage
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli Code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**720124**	5
	50-60Hz	110V	yellow	3P+⏚	4	**720134**	5
	50-60Hz	110V	yellow	3P+N+⏚	4	**720144**	5
	50-60Hz	230V	blue	2P+⏚	6	**720126**	10
	50-60Hz	230V	blue	3P+⏚	9	**720139**	5
	50-60Hz	230V	blue	3P+N+⏚	9	**720149**	5
	50-60Hz	400V	red	2P+⏚	9	**720129**	5
	50-60Hz	400V	red	3P+⏚	6	**720136**	10
	50-60Hz	400V	red	3P+N+⏚	6	**720146**	5
32	50-60Hz	110V	yellow	2P+⏚	4	**720224**	5
	50-60Hz	110V	yellow	3P+⏚	4	**720234**	5
	50-60Hz	110V	yellow	3P+N+⏚	4	**720244**	5
	50-60Hz	230V	blue	2P+⏚	6	**720226**	5
	50-60Hz	230V	blue	3P+⏚	9	**720239**	5
	50-60Hz	230V	blue	3P+N+⏚	9	**720249**	5
	50-60Hz	400V	red	2P+⏚	9	**720229**	5
	50-60Hz	400V	red	3P+⏚	6	**720236**	5
	50-60Hz	400V	red	3P+N+⏚	6	**720246**	5

Characteristics:
all products are packed separately.
Complementary items:
plugs on page 16.
Notes:
special versions on page 28.



MULTIMAX SERIES
Watertight straight connectors,
rapid wiring
low voltage
IP67

Rated current (A)	Frequency	Rated current	Voltage colour	Poles	h ref.	Palazzoli Code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**730124**	10
	50-60Hz	230V	blue	2P+⏚	6	**730126**	10
	50-60Hz	400V	red	3P+⏚	6	**730136**	10
	50-60Hz	400V	red	3P+N+⏚	6	**730146**	10
32	50-60Hz	110V	yellow	2P+⏚	4	**730224**	10
	50-60Hz	230V	blue	2P+⏚	6	**730226**	10
	50-60Hz	400V	red	3P+⏚	6	**730236**	6
	50-60Hz	400V	red	3P+N+⏚	6	**730246**	6

Uses:
suitable for general use, the speed and simplicity of wiring make them particularly ideal for series operations.
The colour of the cover and cable clamp indicates the electrical characteristics.
Complementary items:
plugs on page 16.
Notes:
special versions on page 28.



MULTIMAX SERIES
Watertight straight connectors
63A rapid wiring low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli Code	Pack Q.ty
63	50-60Hz	230V	blue	2P+⏚	6	**730326**	1
	50-60Hz	400V	red	3P+⏚	6	**730336**	1
	50-60Hz	400V	red	3P+N+⏚	6	**730346**	1

Uses:
suitable for general use, the speed and simplicity of wiring make them particularly ideal for series operations. The colour
of the cover and cable clamp indicates the electrical characteristics.
Complementary items:
plugs on page 16.
Notes:
special versions on page 27.

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topTER series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60309-1		IEC 60309-1
	CEI EN 60309-2		IEC 60309-2
	CEI EN 60529		IEC 60529
Protection rating:	IP44 - IP66 / IP67		
Impact resistance:	> IK 08		
Glow wire test:	850°C insert / 650°C body		
Self-extinguishing grade:	V2 insert / HB body		
Temperature	Operating:		-25°C - +50°C
resistance:	Storage:		-30°C - +70°C
Connecting sections	16A	min: 1	max: 4 mm²
of the wires	32A	min: 2,5	max: 10 mm²



topTER SERIES
Protected fixed socket-outlets
for installation on distribution boards
IP44

Rated current (A)	Frequency	Rated voltage	Dimens. (mm)	Voltage colour	Poles	h ref.	Palazzoli Code	Pack Q.ty
16	50-60Hz	110V	65 x 83	yellow	2P+⏚	4	**488124**	1
	50-60Hz	110V	65 x 83	yellow	3P+⏚	4	**488134**	1
	50-60Hz	110V	88 x 100	yellow	3P+N+⏚	4	**488144**	1
	50-60Hz	230V	65 x 83	blue	2P+⏚	6	**488126**	10
	50-60Hz	230V	65 x 83	blue	3P+⏚	9	**488139**	1
	50-60Hz	230V	88 x 100	blue	3P+N+⏚	9	**488149**	1
	50-60Hz	400V	65 x 83	red	2P+⏚	9	**488129**	1
	50-60Hz	400V	65 x 83	red	3P+⏚	6	**488136**	10
	50-60Hz	400V	88 x 100	red	3P+N+⏚	6	**488146**	10
32	50-60Hz	110V	88 x 100	yellow	2P+⏚	4	**488224**	1
	50-60Hz	110V	88 x 100	yellow	3P+⏚	4	**488234**	1
	50-60Hz	110V	88 x 100	yellow	3P+N+⏚	4	**488244**	1
	50-60Hz	230V	88 x 100	blue	2P+⏚	6	**488226**	5
	50-60Hz	230V	88 x 100	blue	3P+⏚	9	**488239**	1
	50-60Hz	230V	88 x 100	blue	3P+N+⏚	9	**488249**	1
	50-60Hz	400V	88 x 100	red	2P+⏚	9	**488229**	1
	50-60Hz	400V	88 x 100	red	3P+⏚	6	**488236**	5
	50-60Hz	400V	88 x100	red	3P+N+⏚	6	**488246**	5

Characteristics:
settings for 1 auxiliary plug inserted signal contact;
reinforced flanges with stiffening ribs;
standardised flange for 16A 2P+⏚ and 3P+⏚ with dimensions 65x83 mm;
standardised flange for 16A 3P+N+⏚ and 32A with dimensions 88x100 mm.



topTER SERIES
Watertight fixed socket-outlets
for installation on distribution boards
IP66/IP67

Rated current (A)	Frequency	Rated voltage	Dimens. (mm)	Voltage colour	Poles	h ref.	Palazzoli Code	Pack Q.ty
16	50-60Hz	110V	65 x 83	yellow	2P+⏚	4	**489124**	1
	50-60Hz	110V	65 x 83	yellow	3P+⏚	4	**489134**	1
	50-60Hz	110V	88 x 100	yellow	3P+N+⏚	4	**489144**	1
	50-60Hz	230V	65 x 83	blue	2P+⏚	6	**489126**	10
	50-60Hz	230V	65 x 83	blue	3P+⏚	9	**489139**	1
	50-60Hz	230V	88 x 100	blue	3P+N+⏚	9	**489149**	1
	50-60Hz	400V	65 x 83	red	2P+⏚	9	**489129**	1
	50-60Hz	400V	65 x 83	red	3P+⏚	6	**489136**	10
	50-60Hz	400V	88 x 100	red	3P+N+⏚	6	**489146**	10
32	50-60Hz	110V	88 x 100	yellow	2P+⏚	4	**489224**	1
	50-60Hz	110V	88 x 100	yellow	3P+⏚	4	**489234**	1
	50-60Hz	110V	88 x 100	yellow	3P+N+⏚	4	**489244**	1
	50-60Hz	230V	88 x 100	blue	2P+⏚	6	**489226**	5
	50-60Hz	230V	88 x 100	blue	3P+⏚	9	**489239**	1
	50-60Hz	230V	88 x 100	blue	3P+N+⏚	9	**489249**	1
	50-60Hz	400V	88 x 100	red	2P+⏚	9	**489229**	1
	50-60Hz	400V	88 x 100	red	3P+⏚	6	**489236**	5
	50-60Hz	400V	88 x 100	red	3P+N+⏚	6	**489246**	5
	50-60Hz	380/440V	88 x 100	red	3P+⏚	3	**489233**	1

Characteristics:
settings for 1 auxiliary plug inserted signal contact;
reinforced flanges with stiffening ribs;
standardised flange for 16A 2P+⏚ and 3P+⏚ with dimensions 65x83 mm;
standardised flange for 16A 3P+N+⏚ and 32A with dimensions 88x100 mm.



topTER SERIES
Auxiliary plug NA+NC inserted signal contact

For socket-outlets	Palazzoli Code	Pack Q.ty
topTER industrial and interlocked socket-outlets	**579850**	1

Equipment: adaptor for mounting on fixed socket-outlets.



topTER SERIES
Standard Italian/German bi-directional **fixed domestic socket-outlet** in watertight cap
IP55

Description	Flange dimensions (mm)	Pitch	Type	Palazzoli Code	Pack Q.ty
Flange with domestic socket-outlet 2P+⏚ 10/16A 230V	65 x 83	19	P30/P17	**579840**	1

Notes: code 579840 can be obtained from code 579847 + code 630052.

Product specifications page 20
Quick selection tables page 12
Dimensions page 399



topTER SERIES
Watertight panels with high capacity **transparent door** for fixed socket-outlets wall-mounting installation
IP66

	Type		N° installable socket-outlets	Available wattage (W)	External dimensions (mm)	Palazzoli code	Pack Q.ty
5 modules			2	22	122x452	**579822**	1
5 modules			3	22	122x452	**579823**	1
10 modules			4	40	239x456	**579824**	1
16 modules			6	56	350x456	**579826**	1
22 modules			8	70	461x456	**579828**	1

Equipment:
DIN guide kit with adjustable supports. Wire clamps.
Dual insulation screw head caps. Hinge kit for door opening. Module screens. 2 closure flanges (code 579824 with 1 flange).
Characteristics:
lockable modular door. Settings for horizontal and vertical flanking. Temporary mounting settings. The 579823 code can house 2 standardised 65x83mm flanges + 1 standardised 88x100mm flange.



topTER SERIES
DIN EN50022 Guide kit
for topTER distribution boards

No. of modules N50022	For distribution boards	Palazzoli code	Pack Q.ty
10	579742 - 579824	**579852**	1
16	579743 - 579826	**579853**	1
22	579744 - 579828	**579854**	1

Equipment:
adjustable supports, 2 wire clamps and fixing screws.
Characteristics:
allows the mounting of DIN modules behind the socket-outlet compartments.



topTER SERIES
Watertight cap for domestic distribution boards installation domoTER
IP55

Flange dimensions (mm)	No. of modules	Palazzoli code	Pack Q.ty
65 x 83	2	**579847**	1

Complementary items:
devices for domestic use on page 175.

Product specifications page 20
Dimensions page 399



topTER SERIES
Flange designed
for straight **flush-mounted socket-outlet** with flange **50x50**

Flange dimensions (mm)	Installable socket-outlet	Fastening holes centre (mm)	Palazzoli code	Pack Q.ty
65x83	flush-mounting with flange 50x50	38x38	**579848**	1

Equipment:
bag of 4 stainless steel screws for fastening to distribution board.



topTER SERIES
International flush-mounted socket-outlet IP54 with flange 50x50

Rated current (A)	Rated voltage (V)	Standard	External dimensions (mm)	Country	Palazzoli code	Pack Q.ty
16	250V	DIN49440	50x50	Germany	**579845**	10
16	250V	DIN49440	50x50	Ita/Pol/Hun	**579830**	10
13	250V	BS1363	50x50	Great Britain	**579831**	10
16	250V	CEE 7/V	50x50	Bel/Fra/Czech Rep.	**579832**	10

Characteristics:
code 579830 with contact holes.



topTER SERIES
Closing flange additional openings
IP66/IP67

Flange dimensions (mm)	For socket housing	Palazzoli code	Pack Q.ty
88x100	industrial IP44 and IP67	**579842**	1

Equipment:
bag of 4 stainless steel screws for fastening to distribution board.
Uses:
unused socket housings can be closed.



topTER SERIES
Perforated **flange** designed for straight CEE flush-mounting **socket-outlet, very low voltage IP66**

Flange dimensions (mm)	Installable socket-outlet	Fastening holes centre (mm)	Palazzoli code	Pack Q.ty
88x100	CEE very low voltage	41x41	**579849**	1



CEE SERIES
Straight protected high performance **very low voltage flush-mounted socket-outlets IP44**

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	24V	■	2P	-	**471032**	1
	50-60Hz	42V	□	2P	-	**471132**	1
	CC	24-42V	□	2P	12	**471632**	1
32	50-60Hz	42V	□	2P	12	**471135**	1



CEE SERIES
Straight watertight **flush-mounted socket outlet low voltage IP67**

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	24V	■	2P	-	**471003**	1
	50-60Hz	42V	□	2P	12	**471103**	1
	CC	24-42V	□	2P	10	**471603**	1
32	50-60Hz	42V	□	2P	12	**471107**	1

Compact board socket-outlets



topTER SERIES
Protected fixed socket-outlets for installation on distribution boards
IP44

Rated current (A)	Frequency	Rated voltage	Flange dimensions (mm)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	60 x 60	■	2P+⏚	4	**488114**	10
	50-60Hz	230V	60 x 60	■	2P+⏚	6	**488116**	10



topTER SERIES
Protected straight wall-mounted socket-outlets low voltage
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**485124**	1
	50-60Hz	110V	yellow	3P+⏚	4	**485134**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**485144**	1
	50-60Hz	230V	blue	2P+⏚	6	**485126**	1
	50-60Hz	230V	blue	3P+⏚	9	**485139**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**485149**	1
	50-60Hz	400V	red	2P+⏚	9	**485129**	1
	50-60Hz	400V	red	3P+⏚	6	**485136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**485146**	1
32	50-60Hz	110V	yellow	2P+⏚	4	**485224**	1
	50-60Hz	110V	yellow	3P+⏚	4	**485234**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**485244**	1
	50-60Hz	230V	blue	2P+⏚	6	**485226**	1
	50-60Hz	230V	blue	3P+⏚	9	**485239**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**485249**	1
	50-60Hz	400V	red	2P+⏚	9	**485229**	1
	50-60Hz	400V	red	3P+⏚	6	**485236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**485246**	1

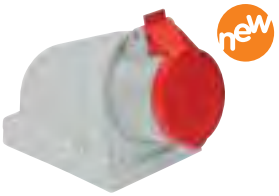
Notes: non-accessoriable **auxiliary contact** socket-outlets.



topTER SERIES
Watertight wall-mounted straight socket-outlets
low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**487124**	1
	50-60Hz	110V	yellow	3P+⏚	4	**487134**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**487144**	1
	50-60Hz	230V	blue	2P+⏚	6	**487126**	1
	50-60Hz	230V	blue	3P+⏚	9	**487139**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**487149**	1
	50-60Hz	400V	red	2P+⏚	9	**487129**	1
	50-60Hz	400V	red	3P+⏚	6	**487136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**487146**	1
32	50-60Hz	110V	yellow	2P+⏚	4	**487224**	1
	50-60Hz	110V	yellow	3P+⏚	4	**487234**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**487244**	1
	50-60Hz	230V	blue	2P+⏚	6	**487226**	1
	50-60Hz	230V	blue	3P+⏚	9	**487239**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**487249**	1
	50-60Hz	400V	red	2P+⏚	9	**487229**	1
	50-60Hz	400V	red	3P+⏚	6	**487236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**487246**	1
	50/60Hz	380/440V	red	3P+⏚	3	**487233**	1

Note: non-accessoriable auxiliary contact socket-outlets.



topTER SERIES
Protected 90° angled wall mounted socket-outlets
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16 entry **M25**	50-60Hz	110V	yellow	2P+⏚	4	**508124**	1
	50-60Hz	230V	blue	2P+⏚	6	**508126**	1
	50-60Hz	400V	red	3P+⏚	6	**508136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**508146**	1
32 entry **M25**	50-60Hz	110V	yellow	2P+⏚	4	**508224**	1
	50-60Hz	230V	blue	2P+⏚	6	**508226**	1
	50-60Hz	400V	red	3P+⏚	6	**508236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**508246**	1

Notes: non-accessoriable **auxiliary contact** socket-outlets.
Equipment: cable gland.



topTER SERIES
90° watertight wall-mounted socket-outlets
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16 entry **M25**	50-60Hz	110V	yellow	2P+⏚	4	**509124**	1
	50-60Hz	230V	blue	2P+⏚	6	**509126**	1
	50-60Hz	400V	red	3P+⏚	6	**509136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**509146**	1
32 entry **M25**	50-60Hz	110V	yellow	2P+⏚	4	**509224**	1
	50-60Hz	230V	blue	2P+⏚	6	**509226**	1
	50-60Hz	400V	red	3P+⏚	6	**509236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**509246**	1
63 entry **M40**	50-60Hz	230V	blue	2P+⏚	6	**509326**	1
	50-60Hz	400V	red	3P+⏚	6	**509336**	1
	50-60Hz	400V	red	3P+N+⏚	6	**509346**	1

Notes: non-accessoriable **auxiliary contact** socket-outlets.
Equipment: cable gland.

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Quick selection tables page 12
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CEE series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60309-1, IEC 60309-1 CEI EN 60309-2, IEC 60309-2, CEI EN 60529, IEC 60529			
Protection rating:	IP44/IP67			
Impact resistance:	> IK 08			
Glow wire test:	850°C insert			
Self-extinguishing grade:	V2			
Temperature resistance:	Operating:			-25°C - +50°C
	Storage:			-40°C - +80°C
Cable entry: stepped gland	16A	2P+⏚Pg13,5	min: 8	max: 13 mm
		3P+⏚Pg16	min: 8,5	max: 14 mm
		3P+N+⏚Pg16	min: 10	max: 15.5 mm
	32A	2P+⏚Pg21	min: 11,5	max: 17.5 mm
		3P+⏚Pg21	min: 12,5	max: 19.5 mm
		3P+N+⏚Pg21	min: 14	max: 21.5 mm
	63A	2P+⏚Pg29	min: 17	max: 26 mm
		3P+⏚Pg29	min: 19	max: 28.5 mm
		3P+N+⏚Pg29	min: 21	max: 31,5 mm
	125A	3P+⏚2"gas	min: 31	max: 46 mm
		3P+N+⏚2"gas	min: 31	max: 46 mm
	very low voltage 16/32A	2P/3P Pg21	min: 13,5	max: 21.5 mm
Connecting sections of the wires	16A		min: 1	max: 2.5 mm²
	32A		min: 2,5	max: 6 mm²
	63A		min: 4	max: 10 mm²
	125A		min: 16	max: 35 mm²
	very low voltage 16/32A		min: 4	max: 10 mm²



CEE SERIES
High performance **straight protected** low voltage **plugs**
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**477202**	1
	50-60Hz	110V	yellow	3P+⏚	4	**477212**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**477222**	1
	50-60Hz	230V	blue	2P+⏚	6	**477302**	10
	50-60Hz	230V	blue	3P+⏚	9	**477312**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**477322**	1
	50-60Hz	400V	red	2P+⏚	9	**477402**	1
	50-60Hz	400V	red	3P+⏚	6	**477412**	10
	50-60Hz	400V	red	3P+N+⏚	6	**477422**	10
32	50-60Hz	110V	yellow	2P+⏚	4	**477205**	1
	50-60Hz	110V	yellow	3P+⏚	4	**477215**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**477225** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**477305**	1
	50-60Hz	230V	blue	3P+⏚	9	**477315**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**477325**	1
	50-60Hz	400V	red	2P+⏚	9	**477405**	1
	50-60Hz	400V	red	3P+⏚	6	**477415**	10
	50-60Hz	400V	red	3P+N+⏚	6	**477425**	1



MULTIMAX SERIES
Straight protected plugs
rapid wiring and low voltage
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	500V	black	2P+⏚	7	**700127**	5
	50-60Hz	500V	black	3P+⏚	7	**700137**	5
	50-60Hz	500V	black	3P+N+⏚	7	**700147**	5
	50-60Hz	600÷690V	black	3P+⏚	5	**700135**	5
	50-60Hz	600÷690V	black	3P+N+⏚	5	**700145**	5
	50-60Hz	>50V ∗	grey	2P+⏚	12	**701122**	5
	50-60Hz	>50V ∗	grey	3P+⏚	12	**701132**	5
	100-300Hz	>50V	green	2P+⏚	10	**700120**	5
	100-300Hz	>50V	green	3P+⏚	10	**700130**	5
	100-300Hz	>50V	green	3P+N+⏚	10	**700140**	5
	>300-500Hz	>50V	green	2P+⏚	2	**700122**	5
	>300-500Hz	>50V	green	3P+⏚	2	**700132**	5
	>300-500Hz	>50V	green	3P+N+⏚	2	**700142**	5
	60Hz	440÷460V	red	3P+⏚	11	**700131**	5
	60Hz	440-460V	red	3P+N+⏚	11	**700141**	5
	CC	>50÷250V	grey	2P+⏚	3	**700123**	5
	CC	>250V	grey	2P+⏚	8	**700128**	5
32	50-60Hz	500V	black	2P+⏚	7	**700227**	5
	50-60Hz	500V	black	3P+⏚	7	**700237**	5
	50-60Hz	500V	black	3P+N+⏚	7	**700247**	5
	50-60Hz	600÷690V	black	3P+⏚	5	**700235**	5
	50-60Hz	600÷690V	black	3P+N+⏚	5	**700245**	5
	50-60Hz	>50V ∗	grey	2P+⏚	12	**701222**	5
	50-60Hz	>50V ∗	grey	3P+⏚	12	**701232**	5
	100-300Hz	>50V	green	2P+⏚	10	**700220**	5
	100-300Hz	>50V	green	3P+⏚	10	**700230**	5
	100-300Hz	>50V	green	3P+N+⏚	10	**700240**	5
	>300-500Hz	>50V	green	2P+⏚	2	**700222**	5
	>300-500Hz	>50V	green	3P+⏚	2	**700232**	5
	>300-500Hz	>50V	green	3P+N+⏚	2	**700242**	5
	60Hz	440÷460V	red	3P+⏚	11	**700231**	5
	60Hz	440-460V	red	3P+N+⏚	11	**700241**	5
	CC	>50÷250V	grey	2P+⏚	3	**700223**	5
	50/60Hz	380/440V	red	3P+⏚	3	**700233**	5
	50/60Hz	380-440V	red	3P+N+⏚	3	**700243**	5
	CC	>250V	grey	2P+⏚	8	**700228**	5

∗ For insulation transformer.

Characteristics:
all products are packed separately.
Uses:
suitable for general use, the speed and simplicity of wiring make them particularly ideal for series operations.
The colour of the data label indicates the electrical characteristics.
Complementary items:
Straight socket-outlets on page 28.

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Quick selection tables page 14
Dimensions page 396



CEE SERIES
High performance **straight watertight** low voltage plugs
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**477203**	1
	50-60Hz	110V	yellow	3P+⏚	4	**477213**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**477223**	1
	50-60Hz	230V	blue	2P+⏚	6	**477303**	10
	50-60Hz	230V	blue	3P+⏚	9	**477313**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**477323**	1
	50-60Hz	400V	red	2P+⏚	9	**477403**	1
	50-60Hz	400V	red	3P+⏚	6	**477413**	10
	50-60Hz	400V	red	3P+N+⏚	6	**477423**	10
	50-60Hz	500V	black	2P+⏚	7	**477273** ✦	1
	50-60Hz	500V	black	3P+⏚	7	**477513**	1
	50-60Hz	500V	black	3P+N+⏚	7	**477523**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**477823**	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**477833** ✦	1
	100-300Hz	>50V	green	2P+⏚	10	**477763**	1
	100-300Hz	>50V	green	3P+⏚	10	**477773**	1
	100-300Hz	>50V	green	3P+N+⏚	10	**477713**	1
	>300-500Hz	>50V	green	2P+⏚	2	**477783** ✦	1
	>300-500Hz	>50V	green	3P+⏚	2	**477793** ✦	1
	>300-500Hz	>50V	green	3P+N+⏚	2	**477293** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**477453** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**477533** ✦	1
	CC	>50÷250V	grey	2P+⏚	3	**477673** ✦	1
	CC	>250V	grey	2P+⏚	8	**477813** ✦	1
32	50-60Hz	110V	yellow	2P+⏚	4	**477206**	1
	50-60Hz	110V	yellow	3P+⏚	4	**477216**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**477226** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**477306**	1
	50-60Hz	230V	blue	3P+⏚	9	**477316**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**477326**	1
	50-60Hz	400V	red	2P+⏚	9	**477406**	1
	50-60Hz	400V	red	3P+⏚	6	**477416**	5
	50-60Hz	400V	red	3P+N+⏚	6	**477426**	5
	50-60Hz	500V	black	2P+⏚	7	**477556** ✦	1
	50-60Hz	500V	black	3P+⏚	7	**477516**	1
	50-60Hz	500V	black	3P+N+⏚	7	**477526**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**477826** ✦	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**477836** ✦	1
	100-300Hz	>50V	green	2P+⏚	10	**477706**	1
	100-300Hz	>50V	green	3P+⏚	10	**477716**	1
	100-300Hz	>50V	green	3P+N+⏚	10	**477276**	1
	>300-500Hz	>50V	green	2P+⏚	2	**477726** ✦	1
	>300-500Hz	>50V	green	3P+⏚	2	**477736** ✦	1
	>300-500Hz	>50V	green	3P+N+⏚	2	**477296** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**477456** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**477536** ✦	1
	CC	>50÷250V	grey	2P+⏚	3	**477676** ✦	1
	50/60Hz	380/440V	red	3P+⏚	3	**477486**	1
	50/60Hz	380-440V	red	3P+N+⏚	3	**477586** ✦	1
	CC	>250V	grey	2P+⏚	8	**477816** ✦	1



CEE SERIES
High performance **straight watertight** low voltage plugs
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	110V	yellow	2P+⏚	4	**477207** ✦	1
	50-60Hz	110V	yellow	3P+⏚	4	**477217** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**477227** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**477307**	1
	50-60Hz	230V	blue	3P+⏚	9	**477317**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**477327**	1
	50-60Hz	400V	red	2P+⏚	9	**477407**	1
	50-60Hz	400V	red	3P+⏚	6	**477417**	1
	50-60Hz	400V	red	3P+N+⏚	6	**477427**	1
	50-60Hz	500V	black	3P+⏚	7	**477517**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**477827**	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**477367**	1
	CC	>50÷250V	grey	2P+⏚	3	**477677** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**477457** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**477537** ✦	1
125	50-60Hz	110V	yellow	3P+⏚	4	**477218** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**477228** ✦	1
	50-60Hz	230V	blue	3P+⏚	9	**477318**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**477328**	1
	50-60Hz	400V	red	3P+⏚	6	**249538**	1
	50-60Hz	400V	red	3P+N+⏚	6	**259538**	1
	50-60Hz	500V	black	3P+⏚	7	**249550**	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**477368** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**477458** ✦	1
	60Hz	440÷460V	red	3P+N+⏚	11	**477538** ✦	1

✦ Supplied on request.
∗ For insulation transformer.

Complementary items: straight connectors on page 27.



ALUPRES SERIES
High performance FP **watertight plug, with aligned poles** and aluminium alloy body
IP55

Rated current (A)	Frequency	Rated voltage	Poles	Palazzoli code	Pack Q.ty
250	50-60Hz	500V	3P+⏚	**427019**	1

Characteristics:
body in chrome-plated and painted aluminium. Impact resistance 30J (>IK10). Ø 2"1/4 stepped gland with clamping from 39.5 mm to 49.5 mm.
Complementary items:
wall-mounted fixed socket-outlet on page 30, interlocked socket-outlet on page 93.

Product specifications page 24
Quick selection tables page 14
Dimensions page 396



CEE SERIES
Straight watertight **flush-mounted** high performance **fixed appliance inlets**
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	110V	yellow	2P+⏚	4	**476207** ✦	1
	50-60Hz	110V	yellow	3P+⏚	4	**476217** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**476227** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**476307**	1
	50-60Hz	230V	blue	3P+⏚	9	**476317**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**476327** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**476407** ✦	1
	50-60Hz	400V	red	3P+⏚	6	**746338**	1
	50-60Hz	400V	red	3P+N+⏚	6	**756338**	1
	50-60Hz	500V	black	3P+⏚	7	**476517**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**476827** ✦	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**476837** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**476457** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**476537** ✦	1
125	50-60Hz	110V	yellow	3P+⏚	4	**476218** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**476228** ✦	1
	50-60Hz	230V	blue	3P+⏚	9	**476318** ✦	1
	50-60Hz	230V	blue	3P+N+⏚	9	**476328** ✦	1
	50-60Hz	400V	red	3P+⏚	6	**749538**	1
	50-60Hz	400V	red	3P+N+⏚	6	**759538**	1
	50-60Hz	500V	black	3P+⏚	7	**749550**	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**476838** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**476458** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**476538** ✦	1

✦ Supplied on request.
∗ For insulation transformer.

Characteristics:
nickel-plated and rounded pins with easy insertion. Contact holder insert in thermosetting (GRP) material. Very thick (> IK 08) and self-extinguishing plug body GWT: 850°C - UL94:V2.
Uses:
suitable for frequent uses in the presence of impacts, vibrations, chemical agents, liquids and dust.
Complementary items:
straight socket-outlets on page 27
technical accessories on page 31.



CEE SERIES
Watertight **wall-mounted 90°** angled **fixed appliance inlets**
In = 63A, high performance and low voltage, enclosure in thermosetting (GRP) material
IP65

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	400V	red	3P+⏚	6	**745338**	1
	50-60Hz	400V	red	3P+N+⏚	6	**755338**	1

Characteristics:
nickel-plated and rounded pins with easy insertion. Contact holder insert in thermosetting (GRP) material. Very thick (> IK 08) and self-extinguishing plug body GWT: 850°C - UL94:V2. Enclosure in thermosetting (GRP) material.
Uses:
suitable for both wall-mounting and mounting on machines.
Complementary items:
straight socket-outlets on page 31.



CEE SERIES
Watertight **wall-mounted 90°appliance inlets** In = 125A high performance and low voltage, enclosure in thermosetting (GRP) material
IP65

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
125	50-60Hz	400V	red	3P+⏚	6	**748538**	1
	50-60Hz	400V	red	3P+N+⏚	6	**758538**	1

Characteristics:
nickel-plated and rounded pins with easy insertion. Contact holder insert in thermosetting (GRP) material. Very thick (> IK 08) and self-extinguishing plug body GWT: 850°C - UL94:V2. Enclosure in thermosetting (GRP) material.
Uses:
suitable for both wall-mounting and mounting on machines.
Complementary items:
straight socket-outlets on page 27.



CEE SERIES
Watertight covers
for fixed plugs
IP67

For plug types	Palazzoli code	Pack Q.ty
63A	**476907**	1
125A	**476909**	1

Characteristics: make sure there is protection rating IP67 when the plug is not in use.
Uses: particularly suitable in construction sites and in all environments with the presence of water, dust and corrosive substances.

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CEE SERIES
Watertight high performance and low voltage **straight connectors IP67**

Rated Current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V		2P+⏚	4	**473203**	1
	50-60Hz	110V		3P+⏚	4	**473213**	1
	50-60Hz	110V		3P+N+⏚	4	**473223**	1
	50-60Hz	230V		2P+⏚	6	**473303**	10
	50-60Hz	230V		3P+⏚	9	**473313**	1
	50-60Hz	230V		3P+N+⏚	9	**473323**	1
	50-60Hz	400V		2P+⏚	9	**473403**	1
	50-60Hz	400V		3P+⏚	6	**473413**	10
	50-60Hz	400V		3P+N+⏚	6	**473423**	1
	50-60Hz	500V		2P+⏚	7	**473503** ✦	1
	50-60Hz	500V		3P+⏚	7	**473513**	1
	50-60Hz	500V		3P+N+⏚	7	**473523**	1
	50-60Hz	>50V ∗		2P+⏚	12	**473823**	1
	50-60Hz	>50V ∗		3P+⏚	12	**473833** ✦	1
	100-300Hz	>50V		2P+⏚	10	**473763** ✦	1
	100-300Hz	>50V		3P+⏚	10	**473773** ✦	1
	100-300Hz	>50V		3P+N+⏚	10	**473713** ✦	1
	>300-500Hz	>50V		2P+⏚	2	**473783** ✦	1
	>300-500Hz	>50V		3P+⏚	2	**473793** ✦	1
	>300-500Hz	>50V		3P+N+⏚	2	**473723** ✦	1
	60Hz	440÷460V		3P+⏚	11	**473463** ✦	1
	60Hz	440-460V		3P+N+⏚	11	**473533** ✦	1
	CC	>50÷250V		2P+⏚	3	**473673** ✦	1
	CC	>250V		2P+⏚	8	**473813** ✦	1
32	50-60Hz	110V		2P+⏚	4	**473206**	1
	50-60Hz	110V		3P+⏚	4	**473216**	1
	50-60Hz	110V		3P+N+⏚	4	**473226** ✦	1
	50-60Hz	230V		2P+⏚	6	**473306**	1
	50-60Hz	230V		3P+⏚	9	**473316**	1
	50-60Hz	230V		3P+N+⏚	9	**473326**	1
	50-60Hz	400V		2P+⏚	9	**473406**	1
	50-60Hz	400V		3P+⏚	6	**473416**	5
	50-60Hz	400V		3P+N+⏚	6	**473426**	5
	50-60Hz	500V		2P+⏚	7	**473506** ✦	1
	50-60Hz	500V		3P+⏚	7	**473516**	1
	50-60Hz	500V		3P+N+⏚	7	**473526** ✦	1
	50-60Hz	>50V ∗		2P+⏚	12	**473826** ✦	1
	50-60Hz	>50V ∗		3P+⏚	12	**473836** ✦	1
	100-300Hz	>50V		2P+⏚	10	**473706** ✦	1
	100-300Hz	>50V		3P+⏚	10	**473716**	1
	100-300Hz	>50V		3P+N+⏚	10	**473776** ✦	1
	>300-500Hz	>50V		2P+⏚	2	**473726** ✦	1
	>300-500Hz	>50V		3P+⏚	2	**473736** ✦	1
	>300-500Hz	>50V		3P+N+⏚	2	**473796** ✦	1
	60Hz	440÷460V		3P+⏚	11	**473466** ✦	1
	60Hz	440-460V		3P+N+⏚	11	**473536** ✦	5
	50/60Hz	380/440V		3P+⏚	3	**473486** ✦	1
	50/60Hz	380-440V		3P+N+⏚	3	**473496** ✦	1
	CC	>250V		2P+⏚	8	**473816** ✦	1

✦ Supplied on request. ∗ For insulation transformer.



CEE SERIES
Watertight high performance **and** low voltage **straight connectors IP67**

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	110V		2P+⏚	4	**473207** ✦	1
	50-60Hz	110V		3P+⏚	4	**473217**	1
	50-60Hz	110V		3P+N+⏚	4	**473227** ✦	1
	50-60Hz	230V		2P+⏚	6	**473307**	1
	50-60Hz	230V		3P+⏚	9	**473317**	1
	50-60Hz	230V		3P+N+⏚	9	**473327**	1
	50-60Hz	400V		2P+⏚	9	**473407** ✦	1
	50-60Hz	400V		3P+⏚	6	**346338**	1
	50-60Hz	400V		3P+N+⏚	6	**356338**	1
	50-60Hz	500V		3P+⏚	7	**346350**	1
	50-60Hz	>50V ∗		2P+⏚	12	**473827** ✦	1
	50-60Hz	>50V ∗		3P+⏚	12	**473837** ✦	1
	60Hz	440÷460V		3P+⏚	11	**473467** ✦	1
	60Hz	440-460V		3P+N+⏚	11	**473537** ✦	1
125	50-60Hz	110V		3P+⏚	4	**473218** ✦	1
	50-60Hz	110V		3P+N+⏚	4	**473228**	1
	50-60Hz	230V		3P+⏚	9	**473318**	1
	50-60Hz	230V		3P+N+⏚	9	**473328** ✦	1
	50-60Hz	400V		3P+⏚	6	**349538**	1
	50-60Hz	400V		3P+N+⏚	6	**359538**	1
	50-60Hz	500V		3P+⏚	7	**349550**	1
	50-60Hz	>50V ∗		3P+⏚	12	**473838** ✦	1
	60Hz	440÷460V		3P+⏚	11	**473468** ✦	1
	60Hz	440÷460V		3P+N+⏚	11	**473538** ✦	1

✦ Supplied on request.
∗ For insulation transformer.

Characteristics:
rounded socket contacts for easy insertion. For 63A and 125A socket-outlets with contact holder insert in thermosetting (GRP) material, complete with pilot contact. Very thick (> IK 08) and self-extinguishing plug body GWT: 850°C - UL94:V2.

Uses:
suitable for frequent uses where there are risks of impact, squashing, vibrations, chemical agents, liquids and dust.

Complementary items:
straight plugs on page 25.

EASY CONTACT

The multi-lamellar crown in silver coated copper-beryllium alloy guarantees:
- wider pin-plug surface contact;
- easy removal of the plugs from the sockets;
- perfect cleaning of the plug
- a hard-wearing, long-lasting electric contact

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MULTIMAX SERIES
Protected straight connectors with rapid wiring and low voltage **IP44**

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	500V	●	2P+⏚	7	**720127**	5
	50-60Hz	500V	●	3P+⏚	7	**720137**	5
	50-60Hz	500V	●	3P+N+⏚	7	**720147**	5
	50-60Hz	600÷690V	●	3P+⏚	5	**720135**	5
	50-60Hz	600÷690V	●	3P+N+⏚	5	**720145**	5
	50-60Hz	>50V ∗	●	2P+⏚	12	**721122**	5
	50-60Hz	>50V ∗	●	3P+⏚	12	**721132**	5
	100-300Hz	>50V	●	2P+⏚	10	**720120**	5
	100-300Hz	>50V	●	3P+⏚	10	**720130**	5
	100-300Hz	>50V	●	3P+N+⏚	10	**720140**	5
	>300-500Hz	>50V	●	2P+⏚	2	**720122**	5
	>300-500Hz	>50V	●	3P+⏚	2	**720132**	5
	>300-500Hz	>50V	●	3P+N+⏚	2	**720142**	5
	60Hz	440÷460V	●	3P+⏚	11	**720131**	5
	60Hz	440÷460V	●	3P+N+⏚	11	**720141**	5
	CC	>50÷250V	●	2P+⏚	3	**720123**	5
	CC	>250V	●	2P+⏚	8	**720128**	5
32	50-60Hz	500V	●	2P+⏚	7	**720227**	5
	50-60Hz	500V	●	3P+⏚	7	**720237**	5
	50-60Hz	500V	●	3P+N+⏚	7	**720247**	5
	50-60Hz	600÷690V	●	3P+⏚	5	**720235**	5
	50-60Hz	600÷690V	●	3P+N+⏚	5	**720245**	5
	50-60Hz	>50V ∗	●	2P+⏚	12	**721222**	5
	50-60Hz	>50V ∗	●	3P+⏚	12	**721232**	5
	100-300Hz	>50V	●	2P+⏚	10	**720220**	5
	100-300Hz	>50V	●	3P+⏚	10	**720230**	5
	100-300Hz	>50V	●	3P+N+⏚	10	**720240**	5
	>300-500Hz	>50V	●	2P+⏚	2	**720222**	5
	>300-500Hz	>50V	●	3P+⏚	2	**720232**	5
	>300-500Hz	>50V	●	3P+N+⏚	2	**720242**	5
	60Hz	440÷460V	●	3P+⏚	11	**720231**	5
	60Hz	440÷460V	●	3P+N+⏚	11	**720241**	5
	CC	>50÷250V	●	2P+⏚	3	**720223**	5
	50/60Hz	380/440V	●	3P+⏚	3	**720233**	5
	50/60Hz	380/440V	●	3P+N+⏚	3	**720243**	5
	CC	>250V	●	2P+⏚	8	**720228**	5

∗ For insulation transformer.

Characteristics:
all products are packed separately.
Uses:
suitable for general use, the speed and simplicity of wiring make them particularly ideal for series operations. Due to the cable clamp outside the gasket, they are safer than a normal IP44 plug. The colour of the cover and cable clamp indicates the electrical characteristics.
Complementary items:
plugs on page 24.



CEE SERIES
Watertight high performance **flush-mounting straight socket-outlets** low voltage - **IP67**



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	110V	●	2P+⏚	4	**436311** ✦	1
	50-60Hz	110V	●	3P+⏚	4	**446311** ✦	1
	50-60Hz	110V	●	3P+N+⏚	4	**456311** ✦	1
	50-60Hz	230V	●	2P+⏚	6	**436322**	1
	50-60Hz	230V	●	3P+⏚	9	**446322**	1
	50-60Hz	230V	●	3P+N+⏚	9	**456322**	1
	50-60Hz	400V	●	2P+⏚	9	**436338**	1
	50-60Hz	400V	●	3P+⏚	6	**446338**	1
	50-60Hz	400V	●	3P+N+⏚	6	**456338**	1
	50-60Hz	500V	●	3P+⏚	7	**446350**	1
	50-60Hz	>50V ∗	●	2P+⏚	12	**436312** ✦	1
	50-60Hz	>50V ∗	●	3P+⏚	12	**446312** ✦	1
	60Hz	440÷460V	●	3P+⏚	11	**446344** ✦	1
	60Hz	440÷460V	●	3P+N+⏚	11	**456344** ✦	1
125	50-60Hz	110V	●	3P+⏚	4	**449311** ✦	1
	50-60Hz	110V	●	3P+N+⏚	4	**459311** ✦	1
	50-60Hz	230V	●	3P+⏚	9	**449322**	1
	50-60Hz	230V	●	3P+N+⏚	9	**459322** ✦	1
	50-60Hz	400V	●	3P+⏚	6	**449538**	1
	50-60Hz	400V	●	3P+N+⏚	6	**459538**	1
	50-60Hz	500V	●	3P+⏚	7	**449550**	1
	50-60Hz	>50V ∗	●	3P+⏚	12	**449312** ✦	1
	60Hz	440÷460V	●	3P+⏚	11	**449344** ✦	1
	60Hz	440÷460V	●	3P+N+⏚	11	**459344** ✦	1

✦ Supplied on request. ∗ For insulation transformer.



CEE SERIES
Straight high performance and low voltage **protected flush-mounted socket outlets**
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	●	2P+⏚	4	**431611**	1
	50-60Hz	110V	●	3P+⏚	4	**441611** ✦	1
	50-60Hz	110V	●	3P+N+⏚	4	**451611** ✦	1
	50-60Hz	230V	●	2P+⏚	6	**431622**	10
	50-60Hz	230V	●	3P+⏚	9	**441622** ✦	1
	50-60Hz	230V	●	3P+N+⏚	9	**451622** ✦	1
	50-60Hz	400V	●	2P+⏚	9	**431638** ✦	1
	50-60Hz	400V	●	3P+⏚	6	**441638**	1
	50-60Hz	400V	●	3P+N+⏚	6	**451638**	1
	50-60Hz	500V	●	3P+⏚	7	**441650**	1
32	50-60Hz	110V	●	2P+⏚	4	**433211** ✦	1
	50-60Hz	110V	●	3P+⏚	4	**443211** ✦	1
	50-60Hz	110V	●	3P+N+⏚	4	**453211** ✦	1
	50-60Hz	230V	●	2P+⏚	6	**433222**	1
	50-60Hz	230V	●	3P+⏚	9	**443222** ✦	1
	50-60Hz	230V	●	3P+N+⏚	9	**453222** ✦	1
	50-60Hz	400V	●	2P+⏚	9	**433238** ✦	1
	50-60Hz	400V	●	3P+⏚	6	**443238**	1
	50-60Hz	400V	●	3P+N+⏚	6	**453238**	1
	50-60Hz	500V	●	3P+⏚	7	**443250**	1

✦ Supplied on request.

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CEE SERIES
Watertight angled high performance and low voltage **flush-mounted socket-outlets IP67**

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**471263**	1
	50-60Hz	110V	yellow	3P+⏚	4	**471273**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**471223** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**471363**	10
	50-60Hz	230V	blue	3P+⏚	9	**471373**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**471333** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**471463**	1
	50-60Hz	400V	red	3P+⏚	6	**471473**	1
	50-60Hz	400V	red	3P+N+⏚	6	**471483**	1
	50-60Hz	500V	black	2P+⏚	7	**471553** ✦	1
	50-60Hz	500V	black	3P+⏚	7	**471573**	1
	50-60Hz	500V	black	3P+N+⏚	7	**471563** ✦	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**471853**	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**471863** ✦	1
	100-300Hz	>50V	green	2P+⏚	10	**471763** ✦	1
	100-300Hz	>50V	green	3P+⏚	10	**471773**	1
	100-300Hz	>50V	green	3P+N+⏚	10	**471713** ✦	1
	>300-500Hz	>50V	green	2P+⏚	2	**471783** ✦	1
	>300-500Hz	>50V	green	3P+⏚	2	**471793** ✦	1
	>300-500Hz	>50V	green	3P+N+⏚	2	**471723** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**471583** ✦	1
	60Hz	440÷460V	red	3P+N+⏚	11	**471593** ✦	1
	CC	>50÷250V	grey	2P+⏚	3	**471673** ✦	1
	CC	>250V	grey	2P+⏚	8	**471803** ✦	1
32	50-60Hz	110V	yellow	2P+⏚	4	**471267**	1
	50-60Hz	110V	yellow	3P+⏚	4	**471277**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**471287** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**471367**	1
	50-60Hz	230V	blue	3P+⏚	9	**471377**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**471387** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**471467**	1
	50-60Hz	400V	red	3P+⏚	6	**471477**	1
	50-60Hz	400V	red	3P+N+⏚	6	**471487**	1
	50-60Hz	500V	black	2P+⏚	7	**471556** ✦	1
	50-60Hz	500V	black	3P+⏚	7	**471577**	1
	50-60Hz	500V	black	3P+N+⏚	7	**471567**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**471857** ✦	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**471867** ✦	1
	100-300Hz	>50V	green	2P+⏚	10	**471767** ✦	1
	100-300Hz	>50V	green	3P+⏚	10	**471717** ✦	1
	100-300Hz	>50V	green	3P+N+⏚	10	**471777** ✦	1
	>300-500Hz	>50V	green	2P+⏚	2	**471787** ✦	1
	>300-500Hz	>50V	green	3P+⏚	2	**471737** ✦	1
	>300-500Hz	>50V	green	3P+N+⏚	2	**471797** ✦	1
	50/60Hz	380/440V	red	3P+⏚	3	**471437** ✦	1
	50/60Hz	380/440V	red	3P+N+⏚	3	**471447** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**471587** ✦	1
	60Hz	440÷460V	red	3P+N+⏚	11	**471597** ✦	1
	CC	>250V	grey	2P+⏚	8	**471806** ✦	1

✦ Supplied on request. ∗ For insulation transformer.



CEE SERIES
Watertight angled high performance and low voltage **flush-mounted socket-outlets IP67**

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Current colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	110V	yellow	2P+⏚	4	**536311** ✦	1
	50-60Hz	110V	yellow	3P+⏚	4	**546311** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**556311** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**536322**	1
	50-60Hz	230V	blue	3P+⏚	9	**546322**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**556322** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**536338** ✦	1
	50-60Hz	400V	red	3P+⏚	6	**546338**	1
	50-60Hz	400V	red	3P+N+⏚	6	**556338**	1
	50-60Hz	500V	black	3P+⏚	7	**546350**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**536312** ✦	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**546312** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**546344** ✦	1
	60Hz	440÷460V	red	3P+N+⏚	11	**556344** ✦	1
125	50-60Hz	110V	yellow	3P+⏚	4	**549311** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**559311** ✦	1
	50-60Hz	230V	blue	3P+⏚	9	**549322** ✦	1
	50-60Hz	230V	blue	3P+N+⏚	9	**559322** ✦	1
	50-60Hz	400V	red	3P+⏚	6	**549538**	1
	50-60Hz	400V	red	3P+N+⏚	6	**559538**	1
	50-60Hz	500V	black	3P+⏚	7	**549550**	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**549312** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**549344** ✦	1
	60Hz	440÷460V	red	3P+N+⏚	11	**559344** ✦	1

✦ Supplied on request.
∗ For insulation transformer.

Equipment:
gaskets in non-ageing elastomer.
Characteristics:
rounded socket contacts for easy insertion. For 63A and 125A socket-outlets with contact holder insert in thermosetting (GRP) material, complete with pilot contact. Very thick (> IK 08) and self-extinguishing body and cover GWT:850°C - UL94:V2.
Uses:
suitable for frequent uses in the presence of impacts, vibrations, chemical agents, liquids and dust.
Complementary items:
straight plugs on page 25.

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CEE SERIES
90° high performance very low voltage angled **wall-mounted protected socket-outlets IP44**

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**471262**	1
	50-60Hz	110V	yellow	3P+⏚	4	**471272**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**471222** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**471362**	10
	50-60Hz	230V	blue	3P+⏚	9	**471372**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**471332** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**471462**	1
	50-60Hz	400V	red	3P+⏚	6	**471472**	10
	50-60Hz	400V	red	3P+N+⏚	6	**471482**	5
	50-60Hz	500V	black	2P+⏚	7	**471552** ✦	1
	50-60Hz	500V	black	3P+⏚	7	**471572**	1
	50-60Hz	500V	black	3P+N+⏚	7	**471562** ✦	1
	50-60Hz	>50V ✱	grey	2P+⏚	12	**471852** ✦	1
	50-60Hz	>50V ✱	grey	3P+⏚	12	**471862** ✦	1
	100-300Hz	>50V	green	2P+⏚	10	**471762** ✦	1
	100-300Hz	>50V	green	3P+⏚	10	**471772** ✦	1
	100-300Hz	>50V	green	3P+N+⏚	10	**471712** ✦	1
	>300-500Hz	>50V	green	2P+⏚	2	**471782** ✦	1
	>300-500Hz	>50V	green	3P+⏚	2	**471792** ✦	1
	>300-500Hz	>50V	green	3P+N+⏚	2	**471722** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**471582** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**471592** ✦	1
	CC	>50÷250V	grey	2P+⏚	3	**471672** ✦	1
	CC	>250V	grey	2P+⏚	8	**471802** ✦	1
32	50-60Hz	110V	yellow	2P+⏚	4	**471266**	1
	50-60Hz	110V	yellow	3P+⏚	4	**471276**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**471286** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**471366**	1
	50-60Hz	230V	blue	3P+⏚	9	**471376**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**471386** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**471466** ✦	1
	50-60Hz	400V	red	3P+⏚	6	**471476**	1
	50-60Hz	400V	red	3P+N+⏚	6	**471486**	1
	50-60Hz	500V	black	2P+⏚	7	**471555** ✦	1
	50-60Hz	500V	black	3P+⏚	7	**471576**	1
	50-60Hz	500V	black	3P+N+⏚	7	**471566** ✦	1
	50-60Hz	>50V ✱	grey	2P+⏚	12	**471856** ✦	1
	50-60Hz	>50V ✱	grey	3P+⏚	12	**471866** ✦	1
	100-300Hz	>50V	green	2P+⏚	10	**471766** ✦	1
	100-300Hz	>50V	green	3P+⏚	10	**471716**	1
	100-300Hz	>50V	green	3P+N+⏚	10	**471776** ✦	1
	>300-500Hz	>50V	green	2P+⏚	2	**471786** ✦	1
	>300-500Hz	>50V	green	3P+⏚	2	**471736** ✦	1
	>300-500Hz	>50V	green	3P+N+⏚	2	**471796** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**471586** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**471596** ✦	1
	50/60Hz	380/440V	red	3P+⏚	3	**471436** ✦	1
	50/60Hz	380-440V	red	3P+N+⏚	3	**471446** ✦	1
	CC	>250V	grey	2P+⏚	8	**471805** ✦	1

✦ Supplied on request.
✱ For insulation transformer.



CEE SERIES
Watertight wall-mounted 90° fixed socket-outlets In = 63A, high performance and low voltage, enclosure in thermosetting (GRP) material **IP65**

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	400V	red	3P+⏚	6	**445338**	1
	50-60Hz	400V	red	3P+N+⏚	6	**455338**	1

Characteristics: rounded socket contacts for easy insertion. Very thick (> IK 08) and self-extinguishing body and cover GWT:850°C - UL94:V2. Enclosure in thermosetting (GRP) material.
Uses: suitable for both wall-mounting and mounting on machines.
Complementary items: straight plugs on page 25.



CEE SERIES
Watertight high performance and low voltage **wall-mounted 90°** In = 125A **fixed socket-outlet,** enclosure in thermosetting (GRP) material **IP65**

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
125	50-60Hz	400V	red	3P+⏚	6	**448538**	1
	50-60Hz	400V	red	3P+N+⏚	6	**458538**	1

Characteristics: rounded socket contacts for easy insertion. Very thick (> IK 08) and self-extinguishing body and cover GWT:850°C - UL94:V2. Enclosure in thermosetting (GRP) material.
Uses: suitable for both wall-mounting and mounting on machines.
Complementary items: straight plugs on page 25.



ALUPRES SERIES
FP **watertight** wall-mounted **socket-outlet with aligned poles**, in aluminium alloy enclosure IP55

Rated current (A)	Frequency	Rated voltage	Poles	Window type	Palazzoli code	Pack Q.ty
250	50-60Hz	500V	3P+⏚	F5	**421029**	1

Characteristics: impact resistance 30J (>IK10).
Uses: places with large loads, such as mines, quarries, airports and shipyards, etc.
Complementary items: FP plug on page 25.

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CEE SERIES
Supports for angled wall-mounting of straight watertight socket-outlets and plugs
IP65

For socket-outlets/plugs	Box dimensions (mm)	Manufactured material	Palazzoli code	Pack Q.ty
63A 2P+⏚ - 3P+⏚	125x185	Thermosetting (GRP)	**471409**	2
63A 3P+N+⏚	125x185	Thermosetting (GRP)	**471429**	2

Equipment: screw type cable gland, stainless steel small parts.
Uses: ideal in places with the presence of corrosive agents, liquids, dust, temperature changes, risk of impacts.
Complementary items: straight flush-mounted plugs on page 26, straight flush-mounted socket-outlets on page 29.



CEE SERIES
Supports for angled panel-mounting watertight straight socket-outlets and plugs
IP65

Sizes of support base (mm)	For socket-outlets/plugs	Manufactured material	Palazzoli code	Pack Q.ty
125x185	63A	Thermosetting (GRP)	**471479**	2

Equipment:4 stainless steel screws.
Uses:for distribution board applications.
Complementary items:
straight flush-mounted plugs on page 26, straight flush-mounted socket-outlets on page 29.



CEE SERIES
Supports for angled panel-mounting watertight straight socket-outlets and plugs
IP65

Sizes of support base (mm)	For socket-outlets/plugs	Box window	Manufactured material	Palazzoli code	Pack Q.ty
142x113	63A	a	Thermosetting (GRP)	**472967**	1
142x113	125A	a	Thermosetting (GRP)	**472968**	1
207x113	63A	b	Thermosetting (GRP)	**472977**	1
207x113	125A	b	Thermosetting (GRP)	**472978**	1
200x133	63A	F5	Aluminium	**472947**	1
200x133	125A	F5	Aluminium	**472948**	1

Equipment: 4 stainless steel screws for fastening the socket or plug.
Uses:for applications with modular boxes in thermosetting (GRP) material (with windows “a” o “b”) or in aluminium (with F5 windows).
Complementary items: straight flush-mounted appliance inlets on page 26, straight flush-mounted fixed socket-outlets on page 29, boxes in thermosetting (GRP) material on page 131, boxes in aluminium on page 134.



CEE SERIES
Box for panel mounting of straight watertight **socket-outlets and plugs IP67**

Dimensions (mm)	For socket-outlets/plugs	Manufactured material	Palazzoli code	Pack Q.ty
141x141x153	63A/125A	Thermoplastic	**575500**	1

Equipment:4 M4 stainless steel screws with nuts for panel mounting. Box/panel seal
Characteristics: smooth walls with pre-holes for cable glands.
Uses: for flush-mounting outlets or plugs on panels made of sheet metal, wood or insulating material.
Complementary items: straight flush-mounted plugs on page 26, straight flush-mounted socket-outlets on page 29, cable glands on page 143.



CEE SERIES
Support for angled panel/wall-mounting of straight watertight sockets and plugs
IP67

Dimensions (mm)	For socket-outlets/plugs	Manufactured material	Palazzoli code	Pack Q.ty
125x185	63A/125A	Thermoplastic	**501580**	1

Equipment: 4 stainless steel screws.
Uses: for distribution board and box applications, and on EnergyBox construction site distribution boards.
Complementary items: straight flush-mounted plugs on page 26, straight flush-mounted socket-outlets on page 29, empty EnergyBox board on page 116.



CEE SERIES
Wall-mounted box for installing watertightstraight flush-mounted socket-outlets and plugs
IP67

Box dimensions (mm)	Manufactured material	Palazzoli code	Pack Q.ty
125x185	Thermosetting (GRP)	**471469**	1

Equipment:
cable gland Pg36
Complementary items:
support in thermoplastic material code 501580
support in thermosetting (GRP) material code 471479.

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Dimensions page 401



CEE SERIES
Straight protected plugs
high performance,
very low voltage
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	24V	●	2P	-	**477002**	10
	50-60Hz	24V	●	3P	-	**477062**	1
	50-60Hz	42V	○	2P	12	**477102**	1
	50-60Hz	42V	○	3P	12	**477112**	1
	100-200Hz	24-42V	●	2P	4	**477012** ✦	1
	100-200Hz	24-42V	●	3P	4	**477122** ✦	1
	CC	24-42V	○	2P	10	**477602**	1
32	50-60Hz	24V	●	2P	-	**477005**	1
	50-60Hz	24V	●	3P	-	**477065**	1
	50-60Hz	42V	○	2P	12	**477105**	1
	50-60Hz	42V	○	3P	12	**477115**	1
	100-200Hz	24-42V	●	2P	4	**477015** ✦	1
	100-200Hz	24-42V	●	3P	4	**477175** ✦	1
	CC	24-42V	○	2P	10	**477605**	1

✦ Supplied on request.

Characteristics:
nickel-plated and rounded pins with easy insertion. Cable entry with screw type cable gland. Two-screw terminals. Very thick (> IK 08) and self-extinguishing plug body GWT: 850°C - UL94:V2.
Uses:
ideal for frequent uses where there are risks of impacts, vibrations and squashing.
Complementary items:
very low voltage straight connectors on page 34.



CEE SERIES
Watertight straight plugs
high performance,
very low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	24V	●	2P	-	**477003**	1
	50-60Hz	24V	●	3P	-	**477063**	1
	50-60Hz	42V	○	2P	12	**477103**	1
	50-60Hz	42V	○	3P	12	**477113**	1
	100-200Hz	24-42V	●	2P	4	**477013** ✦	1
	100-200Hz	24-42V	●	3P	4	**477123** ✦	1
	CC	24-42V	○	2P	10	**477603**	1
32	50-60Hz	24V	●	2P	-	**477006**	1
	50-60Hz	24V	●	3P	-	**477066** ✦	1
	50-60Hz	42V	○	2P	12	**477106**	1
	50-60Hz	42V	○	3P	12	**477116**	1
	100-200Hz	24-42V	●	2P	4	**477016** ✦	1
	100-200Hz	24-42V	●	3P	4	**477176** ✦	1
	CC	24-42V	○	2P	10	**477606**	1

✦ Supplied on request.

Characteristics:
nickel-plated and rounded pins with easy insertion. Two-screw terminals. Very thick (> IK 08) and self-extinguishing plug body GWT: 850°C - UL94:V2.
Uses:
suitable for frequent uses where there are risks of impact, squashing, vibrations, chemical agents, liquids and dust.
Complementary items:
very low voltage straight connectors on page 34.



CEE SERIES
Watertight straight plugs high performance for **high current** and very low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	48V	●	2P	1	**477951**	1
	50-60Hz	48V	●	3P	1	**477952**	1
125	50-60Hz	48V	●	3P	1	**477955**	1

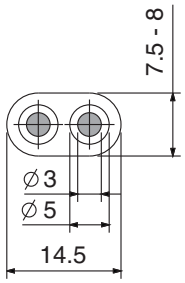
Product specifications page 24
Quick selection tables page 13
Dimensions page 398



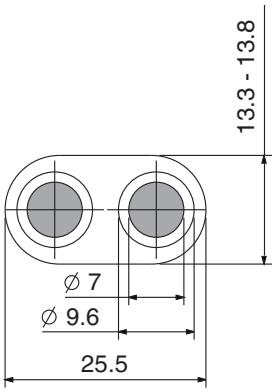
CEE SERIES
Watertight straight plugs
high performance **for twin cable**, very low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli Code	Pack Q.ty
32	50-60Hz	48V	▢	2P	12	**477107**	1
63	50-60Hz	48V	■	2P	1	**477901**	1

Characteristics:
nickel-plated and rounded pins with easy insertion. Two-screw terminals. Very thick (> IK 08) and self-extinguishing body and grip GWT: 850°C - UL94:V2.
Uses:
suitable for frequent uses where there are risks of impacts, squashing, vibrations, chemical agents, liquids and dust.
Complementary items:
very low voltage straight connectors on page 34.



Cable section 6 mm²
for 32A plugs



Cable section 25 mm²
for 63A plugs



CEE SERIES
Protected wall-mounted 90°
appliance inlets, high performance and very low voltage
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack. Q.ty
16	50-60Hz	24V	■	2P	-	**476002**	1
	50-60Hz	24V	■	3P	-	**476012**	1
	50-60Hz	42V	▢	2P	12	**476102**	1
	50-60Hz	42V	▢	3P	12	**476112**	1
	100-200Hz	24-42V	■	2P	4	**476042** ✦	1
	100-200Hz	24-42V	■	3P	4	**476142** ✦	1
	CC	24-42V	▢	2P	10	**476602**	1
32	50-60Hz	24V	■	2P	-	**476005**	1
	50-60Hz	24V	■	3P	-	**476015**	1
	50-60Hz	42V	▢	2P	12	**476105**	1
	50-60Hz	42V	▢	3P	12	**476115**	1
	100-200Hz	24-42V	■	2P	4	**476045** ✦	1
	100-200Hz	24-42V	■	3P	4	**476145** ✦	1
	CC	24-42V	▢	2P	10	**476605**	1

✦ Supplied on request.

Characteristics:
outer cable entry with screw type cable gland. Two-screw terminals. Very thick (> IK 08) and self-extinguishing plug body and case GWT: 850°C – UL94:V2.
Uses:
suitable for both wall-mounted and mounting on machines.
Complementary items:
very low voltage straight connectors on page 34.

Product specifications page 24
Quick selection tables page 13
Dimensions page 398



CEE SERIES
Straight protected connectors
high performance
very low voltage
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	24V	●	2P	-	**473002**	1
	50-60Hz	24V	●	3P	-	**473062**	1
	50-60Hz	42V	○	2P	12	**473102**	1
	50-60Hz	42V	○	3P	12	**473112**	1
	100-200Hz	24-42V	●	2P	4	**473012** ✦	1
	100-200Hz	24-42V	●	3P	4	**473122** ✦	1
	CC	24-42V	○	2P	10	**473602**	1
32	50-60Hz	24V	●	2P	-	**473005**	1
	50-60Hz	24V	●	3P	-	**473065**	1
	50-60Hz	42V	○	2P	12	**473105**	1
	50-60Hz	42V	○	3P	12	**473115**	1
	100-200Hz	24-42V	●	2P	4	**473015** ✦	1
	100-200Hz	24-42V	●	3P	4	**473125** ✦	1
	CC	24-42V	○	2P	10	**473605**	1

✦ Supplied on request.



CEE SERIES
Watertight straight connectors
high performance
very low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	24V	●	2P	-	**473003**	1
	50-60Hz	24V	●	3P	-	**473063**	1
	50-60Hz	42V	○	2P	12	**473103**	1
	50-60Hz	42V	○	3P	12	**473113**	1
	100-200Hz	24-42V	●	2P	4	**473013** ✦	1
	100-200Hz	24-42V	●	3P	4	**473123** ✦	1
	CC	24-42V	○	2P	10	**473603**	1
32	50-60Hz	24V	●	2P	-	**473006**	1
	50-60Hz	24V	●	3P	-	**473066** ✦	1
	50-60Hz	42V	○	2P	12	**473106**	1
	50-60Hz	42V	○	3P	12	**473116**	1
	100-200Hz	24-42V	●	2P	4	**473016** ✦	1
	100-200Hz	24-42V	●	3P	4	**473126** ✦	1
	CC	24-42V	○	2P	10	**473606**	1

✦ Supplied on request.

Characteristics:
rounded socket contacts for easy insertion. Very thick (> IK 08) and self-extinguishing body and grip GWT: 850°C - UL94:V2.
Uses:
suitable for frequent uses where there are risks of impacts, squashing, vibrations, chemical agents, liquids and dust.
Complementary items:
very low voltage straight plugs on page 32.



CEE SERIES
Watertight straight connectors
high performance **for twin cable**
very low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32	50-60Hz	48V	●	2P	12	**473107**	1
63	50-60Hz	48V	●	2P	1	**473901**	1

Characteristics:
rounded socket contacts for easy insertion. Very thick (> IK 08) and self-extinguishing body and grip GWT: 850°C - UL94:V2.
Twin cable dimensions on page 33.
Uses:
suitable for frequent uses where there are risks of impacts, squashing, vibrations, chemical agents, liquids and dust.
Complementary items:
very low voltage straight plugs on page 32.



CEE SERIES
Watertight straight connectors
high performance for high current,
very low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	48V	●	2P	1	**473951**	1
	50-60Hz	48V	●	3P	1	**473952**	1
125	50-60Hz	48V	●	3P	1	**473955**	1

Product specifications page 24
Quick selection tables page 13
Dimensions page 398



CEE SERIES
Protected **straight flush-mounted socket-outlets** high performance and very low voltage
IP44

Rated current (A)	Frequency	Rated current	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	24V	●	2P	-	**471032**	1
	50-60Hz	24V	●	3P	-	**471042**	1
	50-60Hz	42V	○	2P	12	**471132**	1
	50-60Hz	42V	○	3P	12	**471142**	1
	100-200Hz	24-42V	●	2P	4	**471051** ✦	1
	100-200Hz	24-42V	●	3P	4	**471022** ✦	1
	CC	24-42V	○	2P	10	**471632**	1
32	50-60Hz	24V	●	2P	-	**471035**	1
	50-60Hz	24V	●	3P	-	**471045** ✦	1
	50-60Hz	42V	○	2P	12	**471135**	1
	50-60Hz	42V	○	3P	12	**471145**	1
	100-200Hz	24-42V	●	2P	4	**471108** ✦	1
	100-200Hz	24-42V	●	3P	4	**471118** ✦	1
	CC	24-42V	○	2P	10	**471635**	1

✦ Supplied on request.

Equipment:
gaskets in non-ageing elastomer.
Characteristics:
rounded socket contacts for easy insertion. Very thick (> IK 08) and self-extinguishing body and cover GWT:850°C - UL94:V2.
Uses:
ideal for frequent uses where there are risks of impacts and vibrations.
Complementary items:
very low voltage straight plugs on page 32.



CEE SERIES
Protected **angled flush-mounted socket-outlets** high performance and very low voltage
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	24V	●	2P	-	**471062**	1
	50-60Hz	24V	●	3P	-	**471072**	1
	50-60Hz	42V	○	2P	12	**471162**	1
	50-60Hz	42V	○	3P	12	**471172**	1
	100-200Hz	24-42V	●	2P	4	**471111** ✦	1
	100-200Hz	24-42V	●	3P	4	**471122** ✦	1
	CC	24-42V	○	2P	10	**471662**	1
32	50-60Hz	24V	●	2P	-	**471065**	1
	50-60Hz	24V	●	3P	-	**471075** ✦	1
	50-60Hz	42V	○	2P	12	**471165**	1
	50-60Hz	42V	○	3P	12	**471175**	1
	100-200Hz	24-42V	●	2P	4	**471058** ✦	1
	100-200Hz	24-42V	●	3P	4	**471059** ✦	1
	CC	24-42V	○	2P	10	**471665**	1

✦ Supplied on request.

Equipment:
gaskets in non-ageing elastomer.
Characteristics:
rounded socket contacts for easy insertion. Very thick (> IK 08) and self-extinguishing body and cover GWT:850°C - UL94:V2.
Uses:
ideal for frequent uses where there are risks of impacts and vibrations.
Complementary items:
very low voltage straight plugs on page 32.

Product specifications page 24
Quick selection tables page 13
Dimensions page 400



CEE SERIES
Watertight straight flush-mounted socket-outlets
high performance and very low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	24V	●	2P	-	**471003**	1
	50-60Hz	24V	●	3P	-	**471063**	1
	50-60Hz	42V	○	2P	12	**471103**	1
	50-60Hz	42V	○	3P	12	**471113**	1
	100-200Hz	24-42V	●	2P	4	**471013** ✦	1
	100-200Hz	24-42V	●	3P	4	**471123** ✦	1
	CC	24-42V	○	2P	10	**471603**	1
32	50-60Hz	24V	●	2P	-	**471007**	1
	50-60Hz	24V	●	3P	-	**471067** ✦	1
	50-60Hz	42V	○	2P	12	**471107**	1
	50-60Hz	42V	○	3P	12	**471117**	1
	100-200Hz	24-42V	●	2P	4	**471017** ✦	1
	100-200Hz	24-42V	●	3P	4	**471177** ✦	1
	CC	24-42V	○	2P	10	**471607**	1

✦ Supplied on request.

Equipment:
gaskets in non-ageing elastomer.
Characteristics:
rounded socket contacts for easy insertion. Very thick (> IK 08) and self-extinguishing body and cover GWT:850°C - UL94:V2.
Uses:
suitable for frequent uses in the presence of impacts, vibrations, chemical agents, liquids and dust.
Complementary items:
straight plugs on page 32.



CEE SERIES
Watertight straight flush-mounted socket-outlets, high performances for high current, very low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	48V	●	2P	1	**473971**	1
	50-60Hz	48V	●	3P	1	**473972**	1
125	50-60Hz	48V	●	3P	1	**473975**	1



CEE SERIES
Watertight angled flush-mounted socket-outlets
high performance and very low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	48V	●	2P	1	**473961**	1
	50-60Hz	48V	●	3P	1	**473962**	1
125	50-60Hz	48V	●	3P	1	**473965**	1

Equipment: gaskets in non-ageing elastomer.
Characteristics: rounded socket contacts for easy insertion. Very thick (> IK 08) and self-extinguishing body and cover GWT:850°C - UL94:V2.
Uses: ideal for frequent uses where there are risks of impacts and vibrations.
Complementary items: very low voltage straight plugs on page 32.



CEE SERIES
Protected 90° angled wall-mounted socket-outlets
high performance and very low voltage
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	24V	●	2P	-	**471002**	1
	50-60Hz	24V	●	3P	-	**471012** ✦	1
	50-60Hz	42V	○	2P	12	**471102**	1
	50-60Hz	42V	○	3P	12	**471112**	1
	100-200Hz	24-42V	●	2P	4	**471011** ✦	1
	100-200Hz	24-42V	●	3P	4	**471151** ✦	1
	CC	24-42V	○	2P	10	**471602**	1
32	50-60Hz	24V	●	2P	-	**471005**	1
	50-60Hz	24V	●	3P	-	**471015** ✦	1
	50-60Hz	42V	○	2P	12	**471105**	1
	50-60Hz	42V	○	3P	12	**471115**	1
	100-200Hz	24-42V	●	2P	4	**471018** ✦	1
	100-200Hz	24-42V	●	3P	4	**471019** ✦	1
	CC	24-42V	○	2P	10	**471605**	1

✦ Supplied on request.

Characteristics: outer cable entry through screw type cable gland. Very thick (> IK 08) and self-extinguishing body and cover GWT:850°C - UL94:V2.
Uses: suitable for both wall-mounted and mounting on machines.
Complementary items:straight plugs on page 32.

Product specifications page 24
Quick selection tables page 13
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MULTIPLAY series

PRODUCT SPECIFICATIONS

Conformity to Standards:	CEI EN 60309-1	IEC 60309-1
	CEI EN 60309-2	IEC 60309-2
	CEI 23-50	IEC 60884-1
Protection rating:	IP67 (multipliers) IPX0 (adaptors)	
Impact resistance:	> IK 08	
Glow wire test:	850°C	
Self-extinguishing:	V2	
Temperature resistance:	Operating:	-25°C - +50°C
	Storage:	-30°C - +70°C



MULTIPLAY SERIES
2 gang watertight **multipliers** with
16A 50-60Hz plug
IP67

Rated current (A)	Frequency	Operating voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	230V	blue	2P+⏚	6	**752126**	1
	50-60Hz	400V	red	3P+⏚	6	**752136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**752146**	1



MULTIPLAY SERIES
3 gang watertight **multipliers** with
16A/32A 50-60Hz plug
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	230V	blue	2P+⏚	6	**753126**	1
	50-60Hz	400V	red	3P+⏚	6	**753136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**753146**	1
32	50-60Hz	400V	red	3P+⏚	6	**753236**	1



MULTIPLAY SERIES
Plug **adaptors** IP44
1/2 **IEC 60309 socket-outlets for domestic use** 16A 50-60Hz

Rated current (A)	Operating voltage	Poles	h ref.	Domestic plug side	Palazzoli code	Pack Q.ty
16	230V	2P+⏚	6	2 outlet-sockets 2P+⏚ 10/16A dual amp. P17/11	**740002**	10
16	230V	2P+⏚	6	1 outlet-socket 2P+⏚ 10/16A dual amp. P17/11 + schuko P30	**740001**	10



MULTIPLAY SERIES
Plug **adaptors** IP44
1 **British standard**
IEC 60309 socket-outlet
13A 250V

Rated current (A)	Operating voltage	Poles	h ref.	Plug fitting	Palazzoli code	Pack Q.ty
13	250V	2P+⏚	6	Standard BS 1363-1995	**740003**	10



MULTIPLAY SERIES
Plug **adaptors** IP44
S17 plug adaptors for domestic use **IEC 60309 socket-outlet**
16A 50-60Hz 230V 6h

Rated current (A)	Operating voltage	Poles	h ref.	Domestic plug side	Palazzoli code	Pack Q.ty
16	230V	2P+⏚	6	2P+⏚ 16A S17	**740101**	10

Product specifications page 37
Dimensions page 402

INTERLOCKED SOCKET-OUTLETS

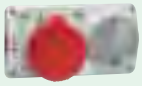
Products and recommended applications

SERVICE SECTOR		INDUSTRY			MAJOR FIRE HAZARD		SPECIAL
Bars Motorway cafes Wellness centres Hypermarkets Offices Trade fairs Photographic studios	Parks Outlets Squares Playgrounds	Plastic moulding Manufacturing Textiles Technical rooms	Wine-cellars Dairies Butchers Food packaging Ham factories Feed factories	Railway sector Oil industry Steel industry Mechanical industry Pharmaceutical industry Chemical industry Cement plants Iron-Steel, Airports Race tracks	Schools Museums Libraries Malls Hotels Hospitals Rest homes Warehouses Public entertain-ment centres	Large kitchens Hotels Canteens Medical/hospital centres District prisons Religious communities Large-scale retail trade	Foundries Extraction of minerals Coal industry

THERMOPLASTIC



PRIMA IP44



PRIMA IP55



topTER IP44



topTER IP66/67

THERMOSETTING (GRP)



ULYSSE IP66/67



TAIS IP66/67



ULYSSE IP66/67

ALUMINIUM ALLOY



ALUPRES IP67



Thermoplastic



PRIMA 47
Compact horizontal IP44-IP55
16-32A



topTER 56
For distribution board installations
IP44-IP66/IP67
16-32A



topTER 63
For distribution board installations IP65
63A

Thermosetting (GRP)



ULYSSE 69
High performances IP66/IP67
16-63A



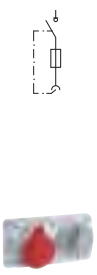
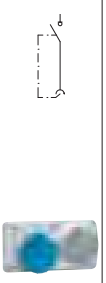
TAIS 78
Heavy-duty use IP65-IP67
16-125A

Aluminium alloy

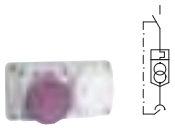


ALUPRES 92
Heavy-duty use IP55-IP67
16-500A

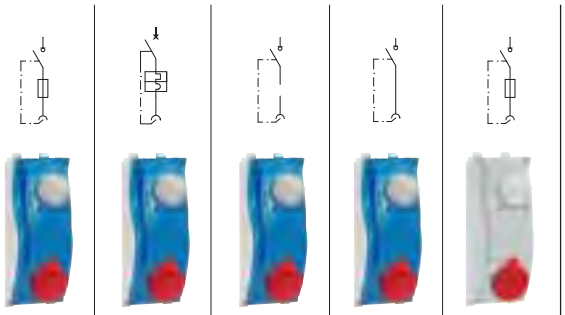
INTERLOCKED SOCKET-OUTLETS IN THERMOPLASTIC FROM 16A TO 63A

				PRIMA Series				topTER Series					
				 page 47	 page 47	 page 48	 page 48	 page 56	 page 56	 page 57	 page 57	 page 63	 page 63
Rated current (A)	Rated voltage (V)	No. poles	h ref.	Without fuses IP44	With fuses IP44	Without fuses IP55	With fuses IP55	Without fuses IP44	Without fuses IP66/IP67	With fuses IP66/IP67	With fuses and signalling light IP66/IP67	Without fuses IP65	With fuses IP65
16	110 100÷130	2P+⏚	4	493124	494124	495124	496124	492124	491124	490124			
		3P+⏚	4			495134	496134		491134	490134			
		3P+N+⏚	4			495144	496144		491144	490144			
	230 200÷250	2P+⏚	6	493126	494126	495126	496126	492126	491126	490126	499126		
		3P+⏚	9			495139	496139		491139	490139			
		3P+N+⏚	9			495149	496149		491149	490149			
	400 380÷415	2P+⏚	9			495129	496129		491129	490129			
		3P+⏚	6	493136	494136	495136	496136	492136	491136	490136	499136		
		3P+N+⏚	6	493146	494146	495146	496146	492146	491146	490146	499146		
32	110 100÷130	2P+⏚	4			495224	496224		491224	490224			
		3P+⏚	4			495234	496234		491234	490234			
		3P+N+⏚	4			495244	496244		491244	490244			
	230 200÷250	2P+⏚	6	493226	494226	495226	496226	492226	491226	490226	499226		
		3P+⏚	9			495239	496239		491239	490239			
		3P+N+⏚	9			495249	496249		491249	490249			
	400 380÷415	2P+⏚	9			495229	496229		491229	490229			
		3P+⏚	6	493236	494236	495236	496236	492236	491236	490236	499236		
		3P+N+⏚	6	493246	494246	495246	496246	492246	491246	490246	499246		
	380÷440	3P+N+⏚	3			495233	496233		491233	490233			
63	110 100÷130	2P+⏚	4									481324	480324
		3P+⏚	4									481334	480334
		3P+N+⏚	4									481344	480344
	230 200÷250	2P+⏚	6									481326	480326
		3P+⏚	9									481339	480339
		3P+N+⏚	9									481349	480349
	400 380÷415	2P+⏚	9									481329	480329
		3P+⏚	6									481336	480336
		3P+N+⏚	6									481346	480346

VERY LOW VOLTAGE

		PRIMA Series	topTER Series
		 page 49	 page 57
Rated current (A)	Rated voltage (V)	No. poles	h ref.	Self-protected with transformer 150VA IP55	Self-protected with transformer 150VA IP66/IP67
16	230/24	2P	-	496024	490024

INTERLOCKED SOCKET-OUTLETS IN THERMOSETTING (GRP) MATERIAL ULYSSE SERIES FROM 16A TO 63A



				page 69	page 70	page 70	page 71	page 72
Rated current (A)	**Rated voltage (V)**	**No. poles**	**h ref.**	**With fuses MCB IP66/IP67**	**Automatic IP66/IP67**	**EN50022 DIN rail IP66/IP67**	**Direct power supply IP66/IP67**	**With fuses IP66/IP67**
16	110 100÷130	2P+⏚	4	400124	403124			
		3P+⏚	4	400134	403134			
		3P+N+⏚	4	400144	403144			
	230 200÷250	2P+⏚	6	400126	403126	406126	408126	420126
		3P+⏚	9	400139	403139			
		3P+N+⏚	9	400149	403149			
	400 380÷415	2P+⏚	9	400129	403129			
		3P+⏚	6	400136	403136	406136	408136	420136
		3P+N+⏚	6	400146	403146	406146	408146	420146
32	110 100÷130	2P+⏚	4	400224	403224			
		3P+⏚	4	400234	403234			
		3P+N+⏚	4	400244	403244			
	230 200÷250	2P+⏚	6	400226	403226	406226	408226	420226
		3P+⏚	9	400239	403239			
		3P+N+⏚	9	400249	403249			
	400 380÷415	2P+⏚	9	400229	403229			
		3P+⏚	6	400236	403236	406236	408236	420236
		3P+N+⏚	6	400246	403246	406246	408246	420246
	380÷440	3P+N+⏚	3	400233	403233	406233	408233	
63	110 100÷130	2P+⏚	4	400324	403324			
		3P+⏚	4	400334	403334			
		3P+N+⏚	4	400344	403344			
	230 200÷250	2P+⏚	6	400326	403326	406326	408326	
		3P+⏚	9	400339	403339			
		3P+N+⏚	9	400349	403349			
	400 380÷415	2P+⏚	9	400329	403329			
		3P+⏚	6	400336	403336	406336	408336	
		3P+N+⏚	6	400346	403346	406346	408346	

VERY LOW VOLTAGE

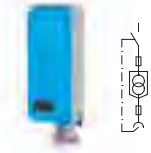
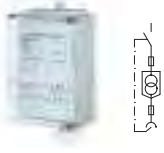


				page 71	page 72
Rated current (A)	**Rated voltage (V)**	**No. poles**	**h ref.**	**Self-protected with transformer 150VA IP66/IP67**	**Self-protected with transformer 150VA IP66/IP67**
16	230/24	2P	-	409873	429873

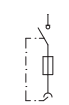
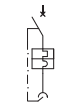
INTERLOCKED SOCKET-OUTLETS IN THERMOSETTING (GRP) MATERIAL TAIS SERIES FROM 16A TO 125A

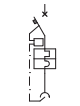
				L = 95 mm  page 78	L = 125 mm  page 78	L = 95 mm  page 79	L = 125 mm  page 79	L = 125 mm  page 79	L = 125 mm  page 80	L = 250 mm  page 81	L = 250 mm  page 81
Rated current (A)	**Rated voltage (V)**	**No. poles**	**h ref.**	**Fuses IP67**	**Fuses IP67**	**Direct power supply IP67**	**Direct power supply IP67**	**MCB IP67**	**EN50022 DIN rail IP67**	**Electrical interlock IP65**	**Electrical interlock and RCD switch IP65**
16	110 100÷130	2P+⏚	4	472610			467124	474210			
		3P+⏚	4	472710				474310			
		3P+N+⏚	4	472810				474410			
	230 200÷250	2P+⏚	6	472620		470126	467126	474220	472020		
		3P+⏚	9	472720				474320			
		3P+N+⏚	9	472820				474420			
	400 380÷415	2P+⏚	9	472630				474230			
		3P+⏚	6	472730		470136	467136	474330	472130		
		3P+N+⏚	6	472830		470146	467146	474430	472240		
32	110 100÷130	2P+⏚	4	468224	472611			474611			
		3P+⏚	4	468234	472711			474711			
		3P+N+⏚	4		472811			474811			
	230 200÷250	2P+⏚	6	468226	472621	469226	470226	474621	472021		
		3P+⏚	9	468239	472721			474721			
		3P+N+⏚	9		472821			474821			
	400 380÷415	2P+⏚	9	468226	472631			474631			
		3P+⏚	6	468236	472731	469236	470236	474731	472131		
		3P+N+⏚	6		472831		470246	474831	472241		
	380÷440	3P+⏚	3	468233	472771	469233	470233	474771	472133		
63	110 100÷130	2P+⏚	4		472612			474612			
		3P+⏚	4		472712			474712		472707	472807
		3P+N+⏚	4		472812			474812		472727	472827
	230 200÷250	2P+⏚	6		472622		470326	474622	472022		
		3P+⏚	9		472722			474722		472717	472817
		3P+N+⏚	9		472822			474822		472737	472837
	400 380÷415	2P+⏚	9		472632			474632			
		3P+⏚	6		472732		470336	474732	472132	472767	472787
		3P+N+⏚	6		472832		470346	474832	472242	472777	472797
125	110 100÷130	3P+⏚	4							472708	472808
		3P+N+⏚	4							472728	472828
	230 200÷250	3P+⏚	9							472718	472818
		3P+N+⏚	9							472738	472838
	400 380÷415	3P+⏚	6							472768	472788
		3P+N+⏚	6							472778	472798

VERY LOW VOLTAGE

				L = 95 mm  page 80	L = 125 mm  page 80	L = 250 mm  page 80
Rated current (A)	**Rated voltage (V)**	**No. poles**	**h ref.**	**Self-protected with transformer 150VA IP67**	**With transformer and fuses 144VA IP67**	**With transformer and fuses 720VA IP67**
16	230/24	2P	-	469873	471873	
	400/24			469893	471893	
32	230/48	2P	-			471819
	400/48					471839

INTERLOCKED OUTLET-SOCKETS IN ALUMINIUM ALUPRES SERIES FROM 16A TO 500A



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Rated current (A)	Rated voltage (V)	No. poles	h ref.	Fuses IP67	MCB IP66/IP67	EN50022 DIN rail IP67	Electrical interlock IP55
16	110 100÷130	2P+⏚	4	472233	474633		
		3P+⏚	4	472243	474643		
		3P+N+⏚	4	472253	474653		
	230 200÷250	2P+⏚	6	472333	474733	472623	
		3P+⏚	9	472343	474743		
		3P+N+⏚	9	472353	474753		
	400 380÷415	2P+⏚	9	472433	474833		
		3P+⏚	6	472443	474843	472733	
		3P+N+⏚	6	472453	474853	472843	
32	110 100÷130	2P+⏚	4	472236	474236		
		3P+⏚	4	472246	474246		
		3P+N+⏚	4	472256	474256		
	230 200÷250	2P+⏚	6	472336	474336	472624	
		3P+⏚	9	472346	474346		
		3P+N+⏚	9	472356	474356		
	400 380÷415	2P+⏚	9	472436	474436		
		3P+⏚	6	472446	474446	472734	
		3P+N+⏚	6	472456	474456	472844	
	380÷440	3P+N+⏚	3	472486	474486	472735	
63	110 100÷130	2P+⏚	4	472237	474237		
		3P+⏚	4	472247	474247		472487
		3P+N+⏚	4	472257	474257		472577
	230 200÷250	2P+⏚	6	472337	474337		
		3P+⏚	9	472347	474347	472027	472497
		3P+N+⏚	9	472357	474357		472587
	400 380÷415	2P+⏚	9	472437	474437		
		3P+⏚	6	472447	474447	472137	472467
		3P+N+⏚	6	472457	474457	472647	472477
125	110 100÷130	3P+⏚	4	472248			472488
		3P+N+⏚	4	472258			472578
	230 200÷250	3P+⏚	9	472348			472498
		3P+N+⏚	9	472358			472588
	400 380÷415	3P+⏚	6	472418			472468
		3P+N+⏚	6	472428			472478

VERY LOW VOLTAGE





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Rated current (A)	Rated voltage (V)	No. Poles	h ref.	With transformer and fuses 144VA IP67	With transformer and fuses 720VA IP65	Fuses IP55
16	230/24	2P	-	471812		
	400/24			471832		
32	230/48	2P	-		471818	
	400/48				471838	
250	500 max	3P+⏚	-			422039
500	500 max	3P+⏚	-			422079

Interlocked and domestic socket-outlets

page 47



Socket-outlets for distr. boards 16A-32A IP44 with/without fuses

page 47



Socket-outlets for distr. boards 16A-32A IP55 with/without fuses

page 48



Code 496024
Socket-outlets for distr. boards with transformer 150VA IP55

page 49



Code 579509
Fixed schuko sockets IP55

Boxes and panels

page 50



Code 579500
Wall-mounted box

page 50



Code 579510
Wall and flush-mounted box

page 50



Code 575501
Plasterboard and panel flush-mounted box

page 49



Flanged distr. boards w/ 2 to 4 socket-outlets IP44 and IP55

Control unit

page 49



Code 579612
Control unit for additional modular devices IP44 and IP55

page 51



Code 579901
Technical accessories

page 51



Code 579718
Flange for 2 fixed socket-outlets or 2 topTER caps

Complementary items

page 20



TopTER fixed socket-outlets IP44 and IP66 / IP67

page 21



Cod. 579847
Watertight cap topTER IP55

page 22



Code 579848
Flange for Schuko 50x50 socket-outlets

page 22



Code 579849
Flange very low voltage CEE socket-outlets

page 175



domoTER domestic socket-outlets

page 22



50x50 Schuko international socket-outlet

page 36



Very low voltage CEE socket-outlets

PRIMA Series
Public places

Vandal-proof horizontal compact interlocked socket outlets



ECO-FRIENDLY THERMOPLASTIC

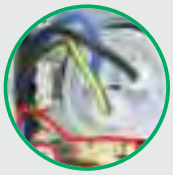


Fuse base accessible only to authorised personnel

TECHNIQUE

The Prima Series is today the most advanced evolution in the interlocked socket-outlet field for the service and light industry sectors. The key innovative element is the “FuseGuard” system: a Palazzoli exclusive. This system allows continuous monitoring of the status of fuses with signal lamps integrated in the socket-outlet’s body, which signal the fuse is operating in real time when a warning lamp lights up. Another innovative element is the “Plug-In” wiring which allows you to extract the socket-outlet completely from its seating without intervening on the wiring; it is also easy to replace fuses rapidly with the power off in totally safe conditions. The high quality thermoplastic material enclosure ensures optimal resistance to U.V. rays and chemical agents, as well as a 6J mechanical resistance.
The interlock system is made of galvanised steel and heavy load power supply is guaranteed by a AC23A-AC3 category isolator switch with a short circuit conditional current of 10KA. The elegant design and modular system (one size for all versions) make the Prima series suitable for the most demanding applications.

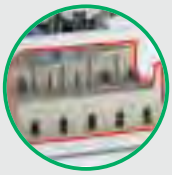
ADVANTAGES



RELIABLE
The great thickness (mechanical resistance 6J), the high quality and first-rate technopolymers (excellent resistance to U.V. rays and chemical agents) and the interlocking system made with a galvanised steel bracket guarantee exceptional reliability under environmental and operational stress.



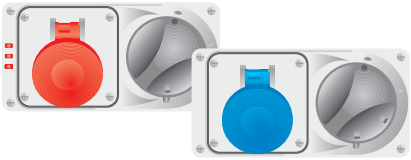
FUSE GUARD
The Fuse Guard system ensures continuous fuse monitoring. Their operation is continuously controlled. Designed even for non-expert users, a warning light switches on when they trip.



TOTAL SAFETY
The plug-in wiring guarantees total safety when replacing fuses.
Wiring is done with the power off by pulling the socket-outlet right out of the distribution board.

THE PRIMA SERIES COMPOSITIONS

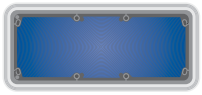
Rating IP	Rated curr. (A)	Without fuse-holder base 230V 2P+⏚	400V 3P+⏚	400V 3P+N+⏚	With fuse holder 230V 2P+⏚	400V 3P+⏚	400V 3P+N+⏚
IP55	16	495126	495136	495146	496126	496136	496146
	32	495226	495236	495246	496226	496236	496246
IP44	16	493126	493136	493146	494126	494136	494146
	32	493226	493236	493246	494226	494236	494246



Watertight socket-outlets with and without fuse-holder base



wall 579500



flush 579510



panel 575501

Panel, flush and wall-mounted boxes



579620 IP55
579520 IP44



579621 IP55
579521 IP44



579602 IP55
579502 IP44

Wall-mounted distribution boards for 2 outlet-sockets



579640 IP55
579540 IP44



579641 IP55
579541 IP44



579642 IP55
579542 IP44

Wall-mounted distribution boards for 4 outlet-sockets

Tailor your solutions



With additional control unit using the **code 579612**



Wall flush-mounted using the frame **code 579582**



With industrial socket-outlets using flange **code 579718** and topTER industrial socket-outlets



With signal socket-outlets using divider kits **code 579591**

PROTECTED INTERLOCKED SOCKET-OUTLETS

PRIMA series

PRODUCT SPECIFICATIONS

Conformity to Standards:	CEI EN 60309-1		IEC 60309-1
	CEI EN 60309-2		IEC 60309-2
	CEI EN 60529		IEC 60529
	CEI EN 60947-3		IEC 60947-3
Protection rating:	IP44 / IP55		
Impact resistance:	>IK 08		
Glow wire test:	960°C switch / 850°C socket insert		
Self-extinguishing:	V0 / V2		
Switch category:	AC3 AC23A rated current		
Temperature resistance:	Operating:		-25°C - +50°C
	Storage:		-30°C - +70°C
Connecting sections of the wires	16A - 32A	min: 1	max: 10 mm²





PRIMA SERIES
Compact horizontal protected interlocked sockets-outlets for distribution board installations
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V		2P+	6	**493124**	1
	50-60Hz	230V		2P+⏚	6	**493126**	1
	50-60Hz	400V		3P+⏚	6	**493136**	1
	50-60Hz	400V		3P+N+⏚	6	**493146**	1
32	50-60Hz	230V		2P+⏚	6	**493226**	1
	50-60Hz	400V		3P+⏚	6	**493236**	1
	50-60Hz	400V		3P+N+⏚	6	**493246**	1





PRIMA SERIES
Compact horizontal protected interlocked socket-outlets and **fuse-holder base** for distribution board installations
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V		2P+	6	**494124**	1
	50-60Hz	230V		2P+⏚	6	**494126**	1
	50-60Hz	400V		3P+⏚	6	**494136**	1
	50-60Hz	400V		3P+N+⏚	6	**494146**	1
32	50-60Hz	230V		2P+⏚	6	**494226**	1
	50-60Hz	400V		3P+⏚	6	**494236**	1
	50-60Hz	400V		3P+N+⏚	6	**494246**	1

Equipment: 4 stainless steel screws for fastening to the distribution board or box.
Characteristics: the knob can be locked in the open or closed position with a padlock with a max. diameter of 3 mm. Cylindrical fuses 10.3 x 38 (not supplied). Plug-in wiring on the mains line.
Complementary items: straight plugs on page 16.



PRIMA SERIES
Flanged distribution boards for wall or flush-mounted interlocked socket-outlets, with or without fuse-holder base, with EN50022 rail for fastening modular devices
IP44

Form		installable socket-outlets no.	Available wattage (W)	External dimensions (mm)	Palazzoli code	Pack Q.ty
9 modules		2	36	212x414	**579520**	1
blind		2	36	212x414	**579521**	1
9+9 modules		2	50	424x280	**579502**	1
9+9 modules		4	70	424x410	**579540**	1
9 modules		4	70	424x410	**579541**	1
blind		4	70	424x410	**579542**	

Complementary items: blind front panel on page 366, dividers on page 51.

Product specifications page 47
Quick selection tables page 40
Dimensions page 403

WATERTIGHT INTERLOCKED SOCKET-OUTLETS



PRIMA SERIES
Compact horizontal watertight interlocked socket-outlets for installation on distribution boards - IP55



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**495124**	1
	50-60Hz	110V	yellow	3P+⏚	4	**495134**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**495144**	1
	50-60Hz	230V	blue	2P+⏚	6	**495126**	1
	50-60Hz	230V	blue	3P+⏚	9	**495139**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**495149**	1
	50-60Hz	400V	red	2P+⏚	9	**495129**	1
	50-60Hz	400V	red	3P+⏚	6	**495136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**495146**	1
32	50-60Hz	110V	yellow	2P+⏚	4	**495224**	1
	50-60Hz	110V	yellow	3P+⏚	4	**495234**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**495244**	1
	50-60Hz	230V	blue	2P+⏚	6	**495226**	1
	50-60Hz	230V	blue	3P+⏚	9	**495239**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**495249**	1
	50-60Hz	400V	red	2P+⏚	9	**495229**	1
	50-60Hz	400V	red	3P+⏚	6	**495236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**495246**	1
	50/60Hz	380/440V	red	3P+⏚	3	**495233**	1

Equipment:
4 stainless steel screws for fastening to the distribution board or box.
Characteristics:
the knob can be locked in the open or closed position with a padlock with a max. diameter of 3 mm.
Special products:
you can ask for the version with plug-in wiring to the power supply to make the system fully compatible
Complementary items:
watertight distribution boards on page 49
boxes on page 50
straight plugs on page 16.



PRIMA SERIES
Compact horizontal watertight interlocked socket-outlets and **fuse-holder base** for distribution board installations - IP55



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**496124**	1
	50-60Hz	110V	yellow	3P+⏚	4	**496134**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**496144**	1
	50-60Hz	230V	blue	2P+⏚	6	**496126**	1
	50-60Hz	230V	blue	3P+⏚	9	**496139**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**496149**	1
	50-60Hz	400V	red	2P+⏚	9	**496129**	1
	50-60Hz	400V	red	3P+⏚	6	**496136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**496146**	1
32	50-60Hz	110V	yellow	2P+⏚	4	**496224**	1
	50-60Hz	110V	yellow	3P+⏚	4	**496234**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**496244**	1
	50-60Hz	230V	blue	2P+⏚	6	**496226**	1
	50-60Hz	230V	blue	3P+⏚	9	**496239**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**496249**	1
	50-60Hz	400V	red	2P+⏚	9	**496229**	1
	50-60Hz	400V	red	3P+⏚	6	**496236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**496246**	1
	50/60Hz	380/440V	red	3P+⏚	3	**496233**	1

Equipment:
4 stainless steel screws for fastening to the distribution board or box.
Characteristics:
the knob can be locked in the open or closed position with a padlock with a max. diameter of 3 mm. Cylindrical fuses 10.3 x 38 (not supplied). Plug-in wiring on the mains line.
Complementary items:
watertight distribution boards on page 49
boxes on page 50
straight plugs on page 16.

Product specifications page 47
Quick selection tables page 40
Dimensions page 403



PRIMA SERIES
Compact horizontal watertight socket-outlets with **safety transformer** (SELV) and thermal protection for distribution board installation – IP55



Rated current (A)	Frequency	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Q.ty
16	50-60Hz	230/24V~	2P	150	**496024**	1

Equipment:
4 stainless steel screws for fastening to the distribution board or box.
Characteristics:
transformer with built-in thermal protection, enabled by a plug-activated bipolar microswitch.
Complementary items:
watertight distribution boards on page 49
boxes on page 50
straight plugs on page 32.



PRIMA SERIES
Pair of watertight standard Italian dual amp/German domestic fixed horizontal socket-outlets with plug inserted
IP55

Description	Flange dimensions	Pins	Pin distance	Type	Palazzoli code	Pack Q.ty
Flange with 2 socket-outlets 2P+⏚ 10/16A P30/P17 230V	206x103	Ø 4/4.8	19	P30/P17	**579509**	1

Equipment:
4 stainless steel screws for fastening to distribution board.
Characteristics:
suitable against sudden water jets, guarantee of an IP55 protection rating with plug inserted.



PRIMA SERIES
Wall-mounted control unit for additional modular devices IP55

Description	Dispersable wattage (W)	Dimensions (mm)	Palazzoli code	Pack Q.ty
With 9-module transparent door	36	212x114	**579612**	1

Equipment:
2 modular covers code 579904.



PRIMA SERIES
Flanged distribution panels for wall or flush-mounted interlocked socket-outlets, with or without fuse-holder base, with EN50022 rail for fixing modular devices
IP55

Type		No. installable socket-outlets	Dispersable wattage (W)	External dimensions (mm)	Palazzoli code	Pack Q.ty
9 modules		2	36	212x414	**579620**	1
blind		2	36	212x414	**579621**	1
9+9 modules		2	50	424x280	**579602**	1
9+9 modules		4	70	424x410	**579640**	1
9 modules		4	70	424x410	**579641**	1
blind		4	70	424x410	**579642**	1

Product specifications page 47
Quick selection tables page 40
Dimensions page 403



PRIMA SERIES
Wall-mounting boxes
IP55

Dimensions (mm)	For socket-outlets	Palazzoli code	Pack Q.ty
103x206	PRIMA with interlocked socket-outlets	**579500**	1

Equipment:
bags of screwcaps.
Characteristics:
walls with knockouts.
Complementary items:
universal fittings on page 143.



PRIMA SERIES
Flush-mounted bottom boxes
IP55

Dimensions (mm)	For socket-outlets	Palazzoli code	Pack Q.ty
132,5x235,5	PRIMA with interlocked socket-outlets	**579510**	1

Characteristics:
They do not need an "UP-DOWN" direction installation.
For use with interlocked socket-outlets with fuses, it is necessary to fasten the box so that it is even with the wall. For the PRIMA series, the use of the appropriate
kit code 579590 allows you to gain 3 mm in depth.



PRIMA SERIES
Spacer kits, for plug-in terminal board and interlocked socket-outlets with fuses, for flush-mounted boxes

Description	Palazzoli Code	Pack Q.ty
3 spacers thickness 1 mm	**579590**	1

Complementary items:
flush-mounted box on page 50.



PRIMA SERIES
Wall-mounted bottom boxes
IP55

Dimensions (mm)	For socket-outlets	Palazzoli code	Pack Q.ty
115x240	PRIMA with interlocked socket-outlets	**575501**	1

Equipment:
4 M4 stainless steel screws with nut for panel mounting. Box/board gasket.
Characteristics:
They do not need an "UP-DOWN" direction installation. Smooth walls with pre-holes for cable glands.
Uses:
allow the assembly of flush-mounting sockets on distribution boards made of sheet metal, wood, plasterboard or insulating material

Dimensions page 403



PRIMA SERIES
Flange designed for two industrial topTER socket-outlets or 2 domoTER caps

Description	Palazzoli code	Pack Q.ty
Flange for two industrial topTER or domestic domoTER socket-outlets	**579718**	1

Equipment:
4 stainless steel screws for fastening to distribution board.
Complementary items:
cap for domoTER socket-outlets on page 21
industrial socket-outlets topTER on page 20
flange for international standards socket-outlets on page 22
very low voltage flange for socket-outlets on page 22



PRIMA SERIES
Closing flange

Dimensions (mm)	Palazzoli code	Pack Q.ty
206x103	**579901**	1

Equipment:
4 stainless steel screws for fastening to distribution board.
Uses:
enables unused housings of all PRIMA series flanged distribution boards to be closed.



PRIMA SERIES
Fitting with Pg type thread for PRIMA Series flanged distribution boards
IP67

Pg	Assembly hole (mm)	For cables ø (mm)	Palazzoli code	Pack Q.ty
21	29	17	**580240**	1

Characteristics:
allow to couple flanged distribution boards laterally. They consist of a threaded sleeve, polygonal nut and 5 gaskets.



PRIMA SERIES
Finishing frame for flush-mounting flanged distribution boards

For boards code	Palazzoli code	Pack Q.ty
579520, 579521, 579620 e 579621	**579582**	1
579540, 579541, 579542, 579640, 579641 and 579642	**579584**	1

Complementary items:
flanged distribution boards on page 47÷49.



PRIMA SERIES
Divider kit for 4-socket-outlet distribution boards

Description	Palazzoli code	Pack Q.ty
A horizontal divider and a vertical divider with friction installation	**579591**	1

Characteristics:
vertical divider with friction installation on 4-socket distribution boards.
Complementary items:
flanged distribution boards on page 47÷49.

Dimensions page 403

Interlocked and domestic socket-outlets

page 56



Socket-outlets for distr. boards without fuses 16A-32A IP44

page 56



Socket-outlets for distr. boards without fuses 16A-32A IP66/IP67

page 57



Socket-outlets for distr. boards with fuses 16A-32A IP66/IP67

page 57



Socket-outlets for distr. boards with transformer 150VA IP66/IP67

page 57



Code 579715 Distr. board socket-outlet with plug inserted IP55

Boxes and panels

page 59



Code 579710 Wall-mounted box IP66/67

page 59



Code 579712 Flush-mounted box IP55

page 59



Code 579711 Panel mounting box IP66/67

page 58



Standard panels from 1 to 3 socket-outlets with transparentdoor IP66

page 58



Compact distr. board from 1 to 3 blind socket-outlets IP66

page 58



Covers with doors for blind compact distr. boards IP55

page 59



Code 579713 Closing flange IP66/67

page 59



Code 579714 Flange for 2 fixed socket-out. or for 2 caps

page 59



Code 579716 Flange for 3 internat. socket-outlets

Complementary items

page 20



topTER fixed socket-outlets IP44 and IP66/IP67

page 21



Code 579847 Watertight cap topTER IP55

page 22



Code 579848 Flange for socket-outlets Schuko 50x50

page 22



Code 579849 Flange for CEE socket-outlets low voltage

page 175



Socket-outlets domoTER socket-outlets

page 22



Schuko socket-outlet 50x50 IP54

page 36



Very low voltage CEE socket-outlets IP67



topTER series
Active protection

Interlocked
and watertight
socket-outlets
IP66 and IP67

ACTIVE PROTECTION

Watertight reinforced protection

TECHNIQUE

The topTER series is a patented system of protected and watertight fixed interlocked sockets, characterised by a reinforced, highly stable thermoplastic technopolymer envelope sealed to the expanded rubber guasket box EPDM. The socket's cover is shaped with watertight self-defense labyrinth, to protect the operators against direct contact with active hazardous parts. The IP66 and IP67 protection rating is guarantee of total insulation from dust and powerful water jets or for temporary immersion.
The sockets have an envelope with limited dimensions, especially for applications in series. The flanged blind watertight panels or with window have high capacity, to facilitate the cooling. The socket compartments are watertight without necessary supplementary processes to house industrial and domestic sockets. Loads from 16A to 32A, from 100V a 440V. Available in industrial panel version, interblocked with and without fuses and with transformer. Possibility of flanking to the 63A topTER socket and interaction with the domoTER series for assembly of panels for domestic use and similar.

Trademarks, symbols, awards

Breakdown signal device

Fuse-holder device

Snap-fitting device

High visibility operation

THE ADVANTAGES



SAFE
Closing the cover automatically guides fuse boxes into closed and secure contact position, thus guaranteeing protection against overcurrents.



FUSE GUARD
Fuse operations are continually signalled to even inexpert users, with a hazard light.



HIGH VISIBILITY
It is the only patented control device that allows you to detect the switch status from a distance. It is lockable in position 0 and 1.

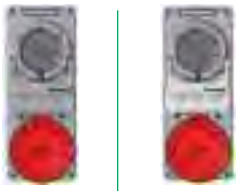
topTER SERIES Interblocked socket-outlets with and without fuse-holder bases 16-32A, with transformer 16A, industrial and domestic socket-outlets



In (A)	Vn (V)	Poles	16-32A IP44 without fuse-holder bases	16-32A IP66/IP67 without fuse-holder bases	16-32A IP66/IP67 with fuse-holder bases	16-32A IP66/IP67 with fuse base and light	16A IP66/IP67 transformer (SELV)	16-32A IP44 industrial	16-32A IP66/IP67 industrial	10/16A IP55 domestic P30/P17
16	230	2P+⏚	492126	491126	490126	499126		488126	489126	
16	400	3P+⏚	492136	491136	490136	499136		488136	489136	
16	400	3P+N+⏚	492146	491146	490146	499146		488146	4891463	
32	400	3P+⏚	492236	491236	490236	499236		488236	489236	
32	400	3P+N+⏚	492246	491246	490246	499246		488246	489246	
63	400	3P+⏚								
63	400	3P+N+⏚								
16	24	2P					490024			
10/16	230	2P+⏚								579840

topTER SERIES

Interlocked socket-outlets with and without fuse-holder bases 63A



63A IP65 without fuse-holder bases	63A IP65 with fuse-holder bases
481336	480336
481346	480346

Wall-, flush- and panel-mounted boxes and flanges



Code 579710 Code 579712 Code 579711 Code 579713 Code 579714 Code 579842



Code 579847 Code 630050 Code 630052

Wall-mounted box



Code 579400

Distribution boards for interlocked socket-outlets



Code 579721 Code 579722 Code 579723

Distrib. board



Code 579421

Control units for interlocked socket-outlets



Code 579741 Code 579742 Code 579743 Code 579744

Control unit



Code 579631

EXAMPLES OF WALL DISTRIBUTION BOARDS

Without fuses



579721	block blind distribution board	1Pc
optional	16A/32A interblocked socket-outlet wo/fuse	1Pc

(can have 5 DIN modules by replacing the blind cover with the window cover code 579451)



579742	block 10M blind distribution board with window	1Pc
optional	16A/32A interblocked socket-outlet wo/fuse	1Pc
579714	flange for 2 industrial/domestic socket-outlets	1Pc
579840	domestic cap ITA/GER P30/P17	1Pc



579743	block 16M distribution board with window	1Pc
optional	16A/32A interblocked socket-outlet wo/fuse	1Pc
579714	flange for 2 industrial/domestic socket-outlets	2Pcs
579840	domestic cap ITA/GER P30/P17	2Pcs
optional	industrial socket-outlet	2Pcs

With fuses



579722	block blind distribution board	1Pc
optional	16A/32A interblocked socket-outlet wo/fuse	1Pc

(can have 12 DIN modules by replacing the blind cover with the window cover code 579452)



579421	blind distribution board for 1 63A socket-outlet	1Pc
579722	2-block blind distribution board	1Pc
580250	distribution board coupling fitting Pg21	1Pc

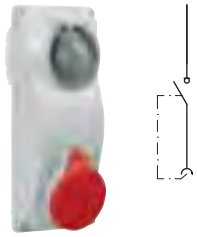


579744	block 22M distribution board with window	1Pc
optional	16A/32A interblocked socket-outlet wo/fuse	3Pcs
579714	flange for 2 industrial/domestic socket-outlets	1Pc
579840	domestic cap ITA/GER P30/P17	1Pc
optional	industrial socket-outlet	1Pc

topTER series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60309-1		IEC 60309-1
	CEI EN 60309-2		IEC 60309-2
	CEI EN 60529		IEC 60529
	CEI EN 60947-3		IEC 60947-3
Protection rating:	IP44 - IP66/IP67		
Impact resistance:	> IK 08		
Glow wire test:	960°C circuit breaker / 850° socket insert		
Self-extinguishing grade:	V0 / V2		
Switch category:	AC3 AC23A rated current		
Resistance	Operating:		-25°C - +50°C
resistance:	Storage:		-30°C - +70°C
Connecting sections of the wires	16A - 32A	min: 1	max: 10 mm²



topTER SERIES
Interlocked socket-outlets for distribution board installations
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**492124**	1
	50-60Hz	230V	blue	2P+⏚	6	**492126**	1
	50-60Hz	400V	red	3P+⏚	6	**492136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**492146**	1
32	50-60Hz	230V	blue	2P+⏚	6	**492226**	1
	50-60Hz	400V	red	3P+⏚	6	**492236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**492246**	1

Equipment:
4 stainless steel screws for fastening to the distribution board or box.
Characteristics:
lockable knob in open or closed position, with max. Ø 3mm padlock
Settings for 2 auxiliary plug inserted signal contacts.
Complementary items:
watertight distribution boards on page 58
boxes on page 59
straight plugs on page 16.
auxiliary contact on page 60.



topTER SERIES
Interlocked sockets for installation on distribution boards
IP66/IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**491124**	1
	50-60Hz	110V	yellow	3P+⏚	4	**491134**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**491144**	1
	50-60Hz	230V	blue	2P+⏚	6	**491126**	1
	50-60Hz	230V	blue	3P+⏚	9	**491139**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**491149**	1
	50-60Hz	400V	red	2P+⏚	9	**491129**	1
	50-60Hz	400V	red	3P+⏚	6	**491136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**491146**	1
32	50-60Hz	110V	yellow	2P+⏚	4	**491224**	1
	50-60Hz	110V	yellow	3P+⏚	4	**491234**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**491244**	1
	50-60Hz	230V	blue	2P+⏚	6	**491226**	1
	50-60Hz	230V	blue	3P+⏚	9	**491239**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**491249**	1
	50-60Hz	400V	red	2P+⏚	9	**491229**	1
	50-60Hz	400V	red	3P+⏚	6	**491236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**491246**	1
	50-60Hz	380/440V	red	3P+⏚	3	**491233**	1

Equipment:
4 stainless steel screws for fastening to the distribution board or box.
Characteristics:
Lockable knob in open or closed position, with max. Ø 3mm padlock.
Settings for 2 auxiliary plug inserted signal contacts.
Complementary items:
watertight distribution boards on page 58
boxes on page 59
straight plugs on page 16.
auxiliary contact on page 60.

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Quick selection tables page 40
Dimensions page 404





topTER SERIES
Interlocked socket-outlets and **fuse-holder base** for board installations
IP66/IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V		2P+⏚	4	**490124**	1
	50-60Hz	110V		3P+⏚	4	**490134**	1
	50-60Hz	110V		3P+N+⏚	4	**490144**	1
	50-60Hz	230V		2P+⏚	6	**490126**	1
	50-60Hz	230V		3P+⏚	9	**490139**	1
	50-60Hz	230V		3P+N+⏚	9	**490149**	1
	50-60Hz	400V		2P+⏚	9	**490129**	1
	50-60Hz	400V		3P+⏚	6	**490136**	1
	50-60Hz	400V		3P+N+⏚	6	**490146**	1
32	50-60Hz	110V		2P+⏚	4	**490224**	1
	50-60Hz	110V		3P+⏚	4	**490234**	1
	50-60Hz	110V		3P+N+⏚	4	**490244**	1
	50-60Hz	230V		2P+⏚	6	**490226**	1
	50-60Hz	230V		3P+⏚	9	**490239**	1
	50-60Hz	230V		3P+N+⏚	9	**490249**	1
	50-60Hz	400V		2P+⏚	9	**490229**	1
	50-60Hz	400V		3P+⏚	6	**490236**	1
	50-60Hz	400V		3P+N+⏚	6	**490246**	1
	50-60Hz	380/440V		3P+⏚	3	**490233**	1

Complementary items:
auxiliary contact and tamper-proof screws on page 60.





topTER SERIES
Interlocked socket-outlets and **fuse-holder base** complete with **fuse power light** for board installations
IP66/IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	230V		2P+⏚	6	**499126**	1
	50-60Hz	400V		3P+⏚	6	**499136**	1
	50-60Hz	400V		3P+N+⏚	6	**499146**	1
32	50-60Hz	230V		2P+⏚	6	**499226**	1
	50-60Hz	400V		3P+⏚	6	**499236**	1
	50-60Hz	400V		3P+N+⏚	6	**499246**	1

Equipment:
4 stainless steel screws for fastening to the distribution board or box.
Characteristics: Fuse-holder base box. 10.3 x 38 cylindrical fuses not supplied. Lockable knob in open or closed position, with max. Ø 3mm padlock. Fuse power LED indicator. Fuse-holder cover set for tamper-proof screws. Settings for 2 auxiliary plug inserted signal contacts.
Complementary items:
auxiliary contact and tamper-proof screws on page 60.





topTER SERIES
Socket-outlet with **safety transformer** (SELV) complete with thermal protection
IP66/IP67

Rated current (A)	Frequency	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Q.ty
16	50-60Hz	230/24V	2P	150	**490024**	1

Equipment:
4 stainless steel screws for fastening to the distribution board or box.
Characteristics:
transformer with built-in thermal protection, enabled by a plug-activated bipolar microswitch.
Complementary items:
watertight distribution boards on page 58
boxes on page 59
straight plugs on page 32.



topTER SERIES
Watertight standard Italian dual amp/ German domestic fixed socket-outlet **with plug inserted**
IP55

Description	Flange dimensions (mm)	Pins	Pitch	Type	Palazzoli code	Pack Q.ty
Flange with 1 domestic socket-outlet 2P+ ⏚ 10/16A P30/P17 230V	103x230	Ø 4/4.8	19	P30/P17	**579715**	1

Equipment:
4 stainless steel screws for fastening to distribution board.
Characteristics:
suitable against sudden water jets, guarantee of an IP55 protection rating with the plug inserted.
Complementary items:
watertight distribution boards on page 58
boxes on page 59
straight plugs on page 191.

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INTERLOCKED SOCKET-OUTLETS



topTER SERIES
High capacity watertight distribution boards with transparent door for wall-interlocked socket-outlet installations
IP66

	Type	No. installable socket-outlets	Dispersable wattage (W)	External dimensions (mm)	Palazzoli code	Pack Q.ty
10 modules		2	40	239x456	**579742**	1
16 modules		3	56	350x456	**579743**	1
22 modules		4	70	461x456	**579744**	1

Equipment:
DIN rail kit with adjustable supports. Wire clamps.
Dual insulation screw head caps. Hinge kit for module screen door opening.
1 closing flange for socket-outlets 579743 and 579744.
Characteristics:
lockable modular door. Setting for horizontal and vertical flanking. Temporary mounting settings.
Complementary items:
equipotential bars, modular covers, fittings, handle, junction and support plates on page 60.

5 modules



topTER SERIES
Watertight distribution boards with transparent door for wall-interlocked socket-outlet installations
IP66

No. installable socket-outlets	Dispersable wattage (W)	External dimensions (mm)	Palazzoli code	Pack Q.ty
1	22	122x395	**579741**	1

Characteristics:
lockable modular door.



topTER SERIES
Watertight distribution boards with high capacity blind door for wall-mounting interlocked socket-outlets with fuse-holder
IP66

Type	No. installable socket-outlets	Dispersable wattage (W)	External dimensions (mm)	Palazzoli code	Pack Q.ty
	1	22	122x395	**579721**	1
	2	40	250x395	**579722**	1
	3	56	380x395	**579723**	1



topTER SERIES
Covers with smoke door EN50022 rail and accessories for topTER blind watertight topTER distribution boards

No. modules EN50022	For distribution boards code	Protection rating	Palazzoli code	Pack Q.ty
5	579721	IP65	**579451**	1
12	579722	IP55	**579452**	1
18	579723	IP55	**579453**	1



topTER SERIES
Wall-mounted thermoplastic control unit

External dimensions (mm)	No. modules EN 50022	Dispersable wattage (W)	Protection rating	Palazzoli code	Pack Q.ty
122x158	5	20	IP65	**579708**	1
250x158	12	40	IP55	**579709**	1

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Quick selection tables page 40
Dimensions page 404



topTER SERIES
Wall-mounted bottom box
IP66/IP67

Dimensions (mm)	For socket-outlets	Palazzoli code	Pack Q.ty
108 x 260	topTER interlocked socket-outlet	**579710**	1

Equipment: bag of screwcaps.
Characteristics: smooth walls with indication of pre-holes.



topTER SERIES
Flush-mounting bottom boxes
IP55

Dimensions (mm)	For socket-outlets	Palazzoli code	Pack Q.ty
131 x 258	topTER interlocked socket-outlet	**579712**	1

Characteristics:are perfectly symmetrical and do not need an "up-down" direction installation.



topTER SERIES
Panel-mounted bottom box
IP66/IP67

Dimensions (mm)	For socket-outlets	Palazzoli code	Pack Q.ty
115 x 270	topTER interlocked socket-outlet	**579711**	1

Equipment: bag of screwcaps.
Uses: can be mounted panels made of sheet metal, wood, plasterboard or insulating material.



topTER SERIES
Flange for mounting two fixed socket-outlets IP44, IP67 industrial and caps for domestic socket-outlets
IP66/IP67

Dimensions (mm)	Palazzoli code	Pack Q.ty
103 x 230	**579714**	1

Equipment: 1 finishing frame for mounting compact socket-outlets, 1 65 x 83 mm blind flange.
Characteristics: 1 fixed housing 65 x 83 mm + 1 variable housing 65 x 83 mm / 88 x 100 mm.
Complementary items:
cap for domoTER socket-outlets on page 21
domoTER domestic socket-outlets on page 175
industrial socket-outlets topTER on page 20
flange for international standards socket-outlets on page 22
flange for very low voltage socket-outlets on page 22



topTER SERIES
Flange for mounting of three international socket-outlets
IP65

Dimensions (mm)	For socket-outlets	Palazzoli code	Pack Q.ty
103 x 230	International	**579716**	1

Complementary items:
international standards socket-outlets on page 22.



topTER SERIES
Closing flange
for interlocked socket-outlets
IP66/IP67

Dimensions (mm)	Palazzoli code	Pack Q.ty
103 x 230	**579713**	1

Equipment:bag of 4 stainless steel screws for fastening to distribution board.

Product specifications page 56
Dimensions page 404

Technical accessories for socket-outlets



topTER SERIES
Set of 50 tamper-proof screws suited for settings on fuse-holder base protection covers

For socket-outlets	Palazzoli code	Pack Q.ty
Socket-outlets with topTER fuse-holder base	**579855**	1



topTER SERIES
Auxiliary contact
NA + NC status signal
with plug inserted

For socket-outlets	Palazzoli code	Pack Q.ty
topTER industrial and interlocked socket-outlets	**579850**	1

Notes: topTER interlocked socket-outlets set for 2 auxiliary contacts.

Technical accessories for distribution boards



topTER SERIES
Equipotential bars for earth connections

No. holes	Type connection	Palazzoli code	Pack Q.ty
4	M5 screws for wire end up to 25 mmq	**579013**	1
10	M5 screws for wire end up to 25 mmq	**579014**	1

Equipment:connection screws and fixing supports.



topTER SERIES
Additional modular cover

No. modules EN50022	For distribution boards	Palazzoli code	Pack Q.ty
2	all topTER and PRIMA distribution boards	**579904**	20

Uses:
allowa the unused modules to be covered, if installed correctly, they ensure the IP40 protection rating.



topTER SERIES
Coupling fitting with Pg pitch thread for topTER Series flanged distribution boards

Pg	Assembly hole (mm)	For cables Ø (mm)	Palazzoli code	Pack Q.ty
21	29	17	**580250**	1



topTER SERIES
Trasportation handles for watertight distribution boards

For distribution boards	Palazzoli code	Pack Q.ty
all topTER series distribution boards	**579011**	1



topTER SERIES
Pair of stainless steel junction plates for flanged watertight distribution boards

For distribution boards	Palazzoli code	Pack Q.ty
all topTER series distribution boards	**579012**	10



topTER SERIES
Universal support for topTER flanged watertight distribution boards

For distribution boards	Palazzoli Palazzoli	Pack Q.ty
all topTER series distribution boards	**570010**	1

Product specifications page 56
Dimensions page 404

www.topter.it

For updated information, visit the website **www.topter.it**

The intuitive graphic interface allows you to have access to the product range, advantages, technical, dimentional, characteristics and references.

In the multimedial section, you can watch a video, which shows all the installation pluses.



In the References section, it is possible to see the pictures that the distribution boards experts took to their systems, where topTER is the protagonist.

In the home page, it is possible to view the 3D version of the socket-outlet and, clicking on the links, you can listen to the advantages of the system.



63A 32A 16A

topTER 63A Series

Easily integrated

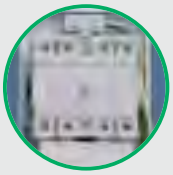
Interlocked watertight socket-outlets
63A

Modular

TECHNIQUE

It is a range of smart interlocked socket-outlets with and without fuse base, which allows you to make flanking distribution boards with the topTER series.
The energy distribution, even heavy loads distributions, is guaranteed by the AC23A - AC3 isolator switches with Icc=10 KA, installed on any socket-outlet.
The handle is easily activated even with gloves and guarantees the perfect visibility of the "open" or "close" positions. It is also lockable, necessary to avoid unwanted operations when the sectioning system.
The socket insert is equipped with the “easy contact” device. The multi-lamellar crown in silver coated copper-beryllium alloy guarantees wider pin-plug surface contact; easy removal of the plugs from the socket-outlets; perfect cleaning of the plug and a hard-wearing, long-lasting electric contact.
Besides, it is made of a thermosetting (GRP) guaranteed 960°C GWT material and is V0 self-extinguishing. The socket-outlet is made of a single body with enclosure (no screws).
This allows you to connect and disconnect the plug for at least 1000 times, also due to the cross stiffening ribs.
The fuse-holder base is protected against unauthorized users and it can only be open with a tool.

THE ADVANTAGES



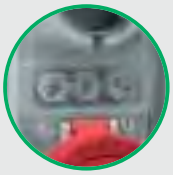
ROBUST CORE

The ability to withstand the heaviest duty, to which they are subject day, requires that all parts are well-constructed and technically perfect: AC23A - AC3 100A isolator switches with Icc>10KA. The interlocking system is made of a high mechanical resistance thermosetting (GRP) material.



VERSATILE

The distribution boards with 63A topTER socket-outlets can be easily used with the ones from the topTER series thanks to the coupling fitting code 580250.



PRACTICAL

Fuse window with safety interlocked and lenses for the practical inspection of the status of the fuses.

INTERLOCKED SOCKET-OUTLETS

topTER series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60309-1		IEC 60309-1
	CEI EN 60309-2		IEC 60309-2
	CEI EN 60529		IEC 60529
	CEI EN 60947-3		IEC 60947-3
Protection rating:	IP65		
Impact resistance:	> IK 08		
Glow wire test:	960°C switch / 850° socket insert		
Self-extinguishing grade:	V0 / V2		
Switch category:	AC3 AC23A rated current		
Temperature resistance:	Operating:		-25°C - +50°C
	Storage:		-30°C - +70°C
Connecting sections of the wires	63A	min: 1	max: 16 mm²



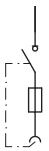


topTER SERIES
Interlocked socket-outlets
for installation on distribution boards.
IP65

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	110V	yellow	2P+⏚	4	**481324**	1
	50-60Hz	110V	yellow	3P+⏚	4	**481334**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**481344**	1
	50-60Hz	230V	blue	2P+⏚	6	**481326**	1
	50-60Hz	230V	blue	3P+⏚	9	**481339**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**481349**	1
	50-60Hz	400V	red	2P+⏚	9	**481329**	1
	50-60Hz	400V	red	3P+⏚	6	**481336**	1
	50-60Hz	400V	red	3P+N+⏚	6	**481346**	1





topTER SERIES
Interlocked socket-outlets and **fuse-holder base** for distribution board installations
IP65

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	110V	yellow	2P+⏚	4	**480324**	1
	50-60Hz	110V	yellow	3P+⏚	4	**480334**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**480344**	1
	50-60Hz	230V	blue	2P+⏚	6	**480326**	1
	50-60Hz	230V	blue	3P+⏚	9	**480339**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**480349**	1
	50-60Hz	400V	red	2P+⏚	9	**480329**	1
	50-60Hz	400V	red	3P+⏚	6	**480336**	1
	50-60Hz	400V	red	3P+N+⏚	6	**480346**	1

Characteristics: D02 type fuses.



topTER SERIES
Wall-mounted bottom box
for interlocked
socket-outlet
IP55

Dimensions (mm)	For socket-outlets	Palazzoli code	Pack Q.ty
115x290	topTER 63A interlocked socket-outlet	**579400**	1

Equipment: bag of screwcaps.
Characteristics: smooth walls with indication of pre-holes.



topTER SERIES
Blind watertight distribution boards
for installation of 63A interlocked
socket-outlets
IP65

No. installable socket-outlets	Dispersable wattage (W)	Dimensions (mm)	Palazzoli code	Pack Q.ty
1	22	122x452	**579421**	1

Characteristics:
smooth walls with indication of pre-holes.



topTER SERIES
Watertight distribution boards with
high capacity transparent door for
63A interlocked wall-mounted
socket-outlet installation
IP65

N° installable socket-outlets	N° modules EN50022	Dispersable wattage (W)	Dimensions dimensions (mm)	Palazzoli code	Pack Q.ty
1	5	22	122x452	**579631**	1

Characteristics:
smooth walls with indication of pre-holes.

Product specifications page 63
Quick selection tables page 40
Dimensions page 404

INTERLOCKED SOCKET-OUTLETS

TER series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60309-1		IEC 60309-1
	CEI EN 60309-2		IEC 60309-2
	CEI EN 60529		IEC 60529
	CEI EN 60947-3		IEC 60947-3
Protection rating:	IP55		
Impact resistance:	> IK 08		
Glow wire test:	960°C switch / 850° socket insert		
Self-extinguishing grade:	V0 / V2		
Switch category:	AC3 AC23A rated current		
Temperature resistance:	Operating:		-25°C - +50°C
	Storage:		-30°C - +70°C
Connecting sections of the wires	16A - 32A	min: 1	max: 10 mm²





TER SERIES
Interlocked socket-outlets and **fuse-holder base** for distribution board installations
IP55

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V		2P+⏚	4	**480124**	1
	50-60Hz	230V		2P+⏚	6	**480126**	1
	50-60Hz	400V		3P+⏚	6	**480136**	1
	50-60Hz	400V		3P+N+⏚	6	**480146**	1
32	50-60Hz	110V		2P+⏚	4	**480224**	1
	50-60Hz	230V		2P+⏚	6	**480226**	1
	50-60Hz	400V		3P+⏚	6	**480236**	1
	50-60Hz	400V		3P+N+⏚	6	**480246**	1
	50/60Hz	380/440V		3P+⏚	3	**480233**	1





TER SERIES
Interlocked socket-outlets and **EN50022 rail** for distribution board installations
IP55

MAX 3 modules

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	230V		2P+⏚	6	**483126**	1
	50-60Hz	400V		3P+⏚	6	**483136**	1
	50-60Hz	400V		3P+N+⏚	6	**483146**	1
32	50-60Hz	230V		2P+⏚	6	**483226**	1
	50-60Hz	400V		3P+⏚	6	**483236**	1
	50-60Hz	400V		3P+N+⏚	6	**483246**	1





TER SERIES
Socket-outlets with **safety transformer** (SELV) complete with thermal protection for installation on distribution boards
IP55

Rated current (A)	Frequency	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Q.ty
16	50-60Hz	230/24V~	2P	150	**480024**	1



TER SERIES
High capacity flanged watertight distribution boards for wall-mounting of 16A - 32A - 63A interlocked socket-outlets with fuse-holder base and 63A interlocked socket-outlets without fuse-holder base
IP55

No. installable socket-outlets	Dispersable wattage (W)	Dimensions (mm)	Protection rating	Palazzoli code	Pack Q.ty
1	22	122x452	IP65	**579421**	1
2	40	250x452	IP55	**579422**	1
3	56	380x452	IP55	**579423**	1



TER SERIES
High capacity flanged watertight distribution boards for wall mounting of 16A - 32A - 63A interlocked socket-outlets with fuse-holder base
IP65

No. installable socket-outlets	No. modules EN50022	Dispersable wattage (W)	External dimensions (mm)	Protection rating	Palazzoli code	Pack Q.ty
1	5	22	122x452	IP65	**579631**	1
2	12	40	250x452	IP55	**579622**	1
3	18	56	380x452	IP55	**579623**	1

Product specifications page 64
Dimensions page 404



TER SERIES
Wall-mounted bottom boxes for 16A - 32A - 63A interlocked socket-outlets with fuse-holder base and 63A interlocked socket-outlets without fuse-holder base - IP55

Dimensions (mm)	For socket-outlets	Palazzoli Code	Pack Q.ty
115x290	IP55 with fuse-holder base and without fuse-holder base 63A	**579400**	1

Equipment: bag of screwcaps.
Characteristics: socket enclosure housing



TER SERIES
Flush-mounted bottom boxes with frame for 16A and 32A interlocked socket-outlets with fuse-holder base
IP55

Dimensions (mm)	For socket-outlets	Palazzoli Code	Pack Q.ty
145x320	IP55 16/32A with fuse-holder base	**579211**	1

Characteristics:
they are perfectly symmetrical and do not need an "UP-DOWN" direction installation.



TER SERIES
Flush-mounted bottom box for 16A - 32A - 63A interlocked socket-outlets with fuse-holder base and 63A without fuse-holder base
IP55

Dimensions (mm)	For socket-outlets	Palazzoli Code	Pack Q.ty
150x300	IP55 with fuse-holder base and without fuse-holder base 63A	**575502**	1

Equipment: bag of screwcaps.
Uses: for mounting of panels made of sheet metal, wood, plasterboard or insulating material.



TER SERIES
Flange for mounting of two fixed topTER socket-outlets, and/or domoTER caps for domestic socket-outlets
IP55

Dimensions (mm)	Palazzoli Code	Pack Q.ty
115x290	**579719**	1

Equipment: 1 finishing frame for mounting compact socket-outlets, 1 65 x 83 mm blind flange.
Complementary items:
domoTER cap for domestic socket-outlets on page 21
topTER industrial socket-outlets on page 20.



TER SERIES
Flange for mounting a 63A CEE socket-outlet
IP65

Dimensions (mm)	For socket-outlets	Palazzoli Code	Pack Q.ty
115x290	63A CEE series	**579910**	1

Complementary items:63A CEE socket-outlets on page 29.



TER SERIES
Closing additional openings flange
IP55

Dimensions (mm)	For socket-outlet housing	Palazzoli Code	Pack Q.ty
115x290	with interlocked switch and fuse-holder base.	**579902**	1

Equipment: bag of 4 stainless steel screws for fastening to distribution board.

Product specifications
page 64

THE ULYSSE SYSTEM

Interlocked socket-outlets

page 69



16A-32A 63A

Socket-outlets with fuses IP66/IP67

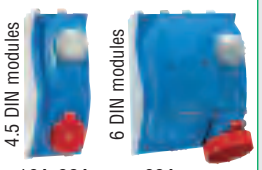
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16A-32A 63A

Socket-outlets with MCB IP66/IP67

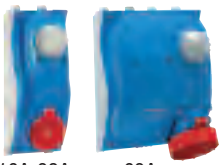
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16A-32A 63A

Socket-outlets with EN 50022 rail IP66/IP67

page 71



16A-32A 63A

Socket-outlets with direct power supply IP66/IP67

page 71



Code 409873 Socket-outlet with transf. 150VA IP66/IP67

page 72



White socket-outlet with fuses 16A-32A IP66/IP67

page 72



Code 429873 White socket-outlet with MCB transformer 150VA IP66/IP67

Enclosures and fittings

page 72



Blind enclosures

page 72



Enclosures with door

page 73



EN50022 DIN rail

page 73



Coupling fittings

page 71



Blind enclosures

page 71



Enclosures with door

Plates

page 73



Quick attachment steel support plates

page 73



Thermosetting (GRP) support plates



BLUE THERMOSETTING (GRP)
HIGHLY RECOGNISABLE

ULYSSE series

Rapid wiring

High performance interlocked socket-outlets



Prewired socket-outlets

TECHNIQUE

The ULYSSE is a product series of high performance interlocked socket-outlets in high visibility blue coloring , ideal for all types of applications.
The inside isolator switch is a AC 23A-AC3 class switch with the capacity of withstanding a short circuit of 10kA, this is triple the present industrial requirement and to those relative to AC 22 class switches.
In view of these performances, the switches can be installed on any plant location, even in close proximity of the most powerful distribution boards. The switch housing can very well resist to direct sun exposure, rodents, vegetation as well as to corrosive ambient. It will resist to 20J impact rigidly and its shape will not deform, thus guarantees to maintain its IP rating over time.

Excellent resistance to hydrocarbons and mineral oils. All screws and metal hardware are in stainless steel and all moving parts of the interlock mechanism in zinc coated steel.
High resistance to ambient conditions and the precision of all the mechanical parts of the isolator switch and of the socket itself, guarantee a lasting product life, mechanical and electric that goes well beyond the prescriptions on the CEI EN 60309 norm.
ULYSSE sockets are also characterized by their double IP rating: IP66 and IP67. The sockets mount on GRP backboards or on special mounting boards in zinc treated steel. The integrated fixing hooks allow to install the socket by means of using two screws only.

THE ADVANTAGES



WEATHERPROOF

The only one with double protection rating IP66/IP67, guarantees resistance against violent jets of water (IP66) and accidental immersions (IP67).



EASY AND QUICK TO INSTALL

The upper box is snapped onto the plate. The socket-outlet with 2 screws is securely attached to the box without using any fittings.



FLAME PROOF

The enclosure is made of thermosetting (GRP) halogen free with GWT 960° C self-extinguishing V0: does not burn, smoke and age.

THE ULYSSE SERIES COMPOSITIONS

IP rating	Rated curr. (A)	With fuse-holder base 230V 2P+⏚	400V 3P+⏚	400V 3P+N+⏚	White socket-outlet with fuse 230V 2P+⏚	400V 3P+⏚	400V 3P+N+⏚
IP66 IP67	16	400126	400136	400146	420126	420136	420146
	32	400226	400236	400246	420226	420236	420246
	63	400326	400336	400346			

Blue and white watertight socket-outlets with fuse-holder base



16,32A
1 module



63A
2 modules



16.32A
1 module

Enclosures with blind cover and transparent door



415001



415002



425001



425002



415101



415102



425101



425102

Thermosetting (GRP) steel plates



415901



415902



415903



415904



415801



415802

Tailor your solutions

- 2 16A or 32A interlocked socket-outlets
- 1 enclosure with door code 425102.
- 1 thermosetting (GRP) plate code 415802.



- 1 63A interlocked socket-outlet.
- 2 16A or 32A interlocked socket-outlets
- 1 blind enclosure code 415002.
- 1 enclosure with door code 415102.
- 1 quick attachment plate code 415904.
- 1 coupling fitting code 538440.



INTERLOCKED SOCKET-OUTLETS

ULYSSE series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60309-1			IEC 60309-1
	CEI EN 60309-2			IEC 60309-2
	CEI EN 60529			IEC 60529
	CEI EN 60947-3			IEC 60947-3
Protection rating:	IP66/IP67			
Impact resistance:	> IK 10			
Glow wire test:	960°C switch / 850° socket insert			
Self-extinguishing grade:	V0			
Switch category:	rated current AC3 AC23A			
Temperature resistance:	Operating:			-25°C - +50°C
	Storage:			-50°C - +80°C
Cable entry:	16A	M25	min: 17	max: 27 mm
	32A	M32	min: 17	max: 27 mm
	63A	M32	min: 17	max: 27 mm
	with tranformer	M25	min: 17	max: 27 mm
Connecting sections of the wires	16A - 32A		min: 1	max: 10 mm²
	63A		min: 6	max: 16 mm²
	with tranformer		min: 1	max: 6 mm²





ULYSSE SERIES
Wall-mounted interlocked socket-outlets and **fuse-holder base**, in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66/IP67 >IK10



Rated current (A)	Frequency	Rated voltage	Colour voltage	Poles	h ref.	Palazzoli Code	Pack Q.ty
16 entry **M25**	50-60Hz	110V	yellow	2P+⏚	4	**400124**	1
	50-60Hz	110V	yellow	3P+⏚	4	**400134**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**400144**	1
	50-60Hz	230V	blue	2P+⏚	6	**400126**	4
	50-60Hz	230V	blue	3P+⏚	9	**400139**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**400149**	1
	50-60Hz	400V	red	2P+⏚	9	**400129**	1
	50-60Hz	400V	red	3P+⏚	6	**400136**	4
	50-60Hz	400V	red	3P+N+⏚	6	**400146**	4
	50-60Hz	500V	black	3P+⏚	7	**400137**	1
	50-60Hz	500V	black	3P+N+⏚	7	**400147**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**401122**	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**401132**	1
	100-300Hz	>50V	green	2P+⏚	10	**400120**	1
	100-300Hz	>50V	green	3P+⏚	10	**400130**	1
	100-300Hz	>50V	green	3P+N+⏚	10	**400140**	1
	>300-500Hz	>50V	green	2P+⏚	2	**400122**	1
	>300-500Hz	>50V	green	3P+⏚	2	**400132**	1
	>300-500Hz	>50V	green	3P+N+⏚	2	**400142**	1
	60Hz	440÷460V	red	3P+⏚	11	**400131**	1
	60Hz	440÷460V	red	3P+N+⏚	11	**400141**	1
	DC	>50÷250V	grey	2P+⏚	3	**400123**	1
32 entry **M32**	50-60Hz	110V	yellow	2P+⏚	4	**400224**	1
	50-60Hz	110V	yellow	3P+⏚	4	**400234**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**400244**	1
	50-60Hz	230V	blue	2P+⏚	6	**400226**	4
	50-60Hz	230V	blue	3P+⏚	9	**400239**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**400249**	1
	50-60Hz	400V	red	2P+⏚	9	**400229**	1
	50-60Hz	400V	red	3P+⏚	6	**400236**	4
	50-60Hz	400V	red	3P+N+⏚	6	**400246**	4
	50-60Hz	500V	black	3P+⏚	7	**400237**	1
	50-60Hz	500V	black	3P+N+⏚	7	**400247**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**401222**	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**401232**	1
	100-300Hz	>50V	green	2P+⏚	10	**400220**	1
	100-300Hz	>50V	green	3P+⏚	10	**400230**	1
	100-300Hz	>50V	green	3P+N+⏚	10	**400240**	1
	>300-500Hz	>50V	green	2P+⏚	2	**400222**	1
	>300-500Hz	>50V	green	3P+⏚	2	**400232**	1
	>300-500Hz	>50V	green	3P+N+⏚	2	**400242**	1
	60Hz	440÷460V	red	3P+⏚	11	**400231**	1
	60Hz	440-460V	red	3P+N+⏚	11	**400241**	1
	DC	>50÷250V	grey	2P+⏚	3	**400223**	1
	50/60Hz	380/440V	red	3P+⏚	3	**400233**	1
	50/60Hz	380/440V	red	3P+N+⏚	3	**400243**	1
63 entry **M32**	50-60Hz	110V	yellow	2P+⏚	4	**400324**	1
	50-60Hz	110V	yellow	3P+⏚	4	**400334**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**400344**	1
	50-60Hz	230V	blue	2P+⏚	6	**400326**	1
	50-60Hz	230V	blue	3P+⏚	9	**400339**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**400349**	1
	50-60Hz	400V	red	2P+⏚	9	**400329**	1
	50-60Hz	400V	red	3P+⏚	6	**400336**	1
	50-60Hz	400V	red	3P+N+⏚	6	**400346**	1
	50-60Hz	500V	black	3P+⏚	7	**400337**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**401322**	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**401332**	1
	60Hz	440÷460V	red	3P+⏚	11	**400331**	1
	60Hz	440÷460V	red	3P+N+⏚	11	**400341**	1
	DC	>50÷250V	grey	2P+⏚	3	**400323**	1

∗ For insulation transformer.

Equipment:
all the socket-outlets have been prewired with 70cm long peeled and numbered cables.
Characteristics:
63A socket-outlet is perfectly modular with the 16A and 32A versions (it is the same height and double the width) and is installed in the same way with the same accessories. Fuses: 10,3x38 for 16A socket-outlets, 14x51 for 32A socket-outlets, 22x58 for 63A socket-outlets (fuses not supplied) 63A socket-outlets with EASY Contact devices.
Complementary items:
straight plugs on page 16
cable glands on page 144.

Spare parts page 367÷370
Product specifications page 69
Quick selection tables page 41
Dimensions page 405

INTERLOCKED SOCKET-OUTLETS WITH MCB





ULYSSE SERIES
Wall-mounted **socket-outlets** with **circuit breaker** and mechanical interlock, in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66 and IP67 >IK10

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Colour voltage	Poles	h ref.	Palazzoli Code	Pack Q.ty
16 entry **M25**	50-60Hz	110V	yellow	2P+⏚	4	**403124**	1
	50-60Hz	110V	yellow	3P+⏚	4	**403134**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**403144**	1
	50-60Hz	230V	blue	2P+⏚	6	**403126**	1
	50-60Hz	230V	blue	3P+⏚	9	**403139**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**403149**	1
	50-60Hz	400V	red	2P+⏚	9	**403129**	1
	50-60Hz	400V	red	3P+⏚	6	**403136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**403146**	1
	60Hz	440÷460V	red	3P+⏚	11	**403131**	1
	60Hz	440-460V	red	3P+N+⏚	11	**403141**	1
32 entry **M32**	50-60Hz	110V	yellow	2P+⏚	4	**403224**	1
	50-60Hz	110V	yellow	3P+⏚	4	**403234**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**403244**	1
	50-60Hz	230V	blue	2P+⏚	6	**403226**	1
	50-60Hz	230V	blue	3P+⏚	9	**403239**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**403249**	1
	50-60Hz	400V	red	2P+⏚	9	**403229**	1
	50-60Hz	400V	red	3P+⏚	6	**403236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**403246**	1
	60Hz	440÷460V	red	3P+⏚	11	**403231**	1
	60Hz	440-460V	red	3P+N+⏚	11	**403241**	1
	50/60Hz	380/440V	red	3P+⏚	3	**403233**	1
63 entry **M32**	50-60Hz	110V	yellow	2P+⏚	4	**403324**	1
	50-60Hz	110V	yellow	3P+⏚	4	**403334**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**403344**	1
	50-60Hz	230V	blue	2P+⏚	6	**403326**	1
	50-60Hz	230V	blue	3P+⏚	9	**403339**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**403349**	1
	50-60Hz	400V	red	2P+⏚	9	**403329**	1
	50-60Hz	400V	red	3P+⏚	6	**403336**	1
	50-60Hz	400V	red	3P+N+⏚	6	**403346**	1
	60Hz	440÷460V	red	3P+⏚	11	**403331**	1
	60Hz	440-460V	red	3P+N+⏚	11	**403341**	1

Equipment:
all the socket-outlets have been prewired with 70cm long peeled and numbered cables.
Characteristics:
63A socket-outlet is perfectly modular with the 16A and 32A versions (it is the same height and double the width) and is installed in the same way with the same accessories. 63A socket-outlets with EASY Contact contacts.
Complementary items:
straight plugs on page 16
cable glands on page 144.





ULYSSE SERIES
Wall-mounted interlocked socket-outlets with fuse-holder base and **EN50022 DIN rail**, in insulating modular enclosure made of thermosetting (GRP) material with IP66/IP67 >IK10 double protection rating

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Colour voltage	Poles	h ref.	Palazzoli Code	Pack Q.ty
16 entry **M25**	50-60Hz	230V	blue	2P+⏚	6	**406126**	1
	50-60Hz	400V	red	3P+⏚	6	**406136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**406146**	1
32 entry **M32**	50-60Hz	230V	blue	2P+⏚	6	**406226**	1
	50-60Hz	400V	red	3P+⏚	6	**406236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**406246**	1
	50/60Hz	380/440V	red	3P+⏚	3	**406233**	1
63 entry **M32**	50-60Hz	230V	blue	2P+⏚	6	**406326**	1
	50-60Hz	400V	red	3P+⏚	6	**406336**	1
	50-60Hz	400V	red	3P+N+⏚	6	**406346**	1

Equipment:
all the socket-outlets have been prewired with 70cm long peeled and numbered cables.
Characteristics:
63A socket-outlet is perfectly modular with the 16A and 32A versions (it is the same height and double the width) and is installed in the same way with the same accessories. 4,5 modules available for 16A and 32A socket-outlets, 6 modules for 63 socket-outlets. 63A socket-outlets with EASY Contact devices.
Complementary items:
straight plugs on page 16
cable glands on page 144.

EASY CONTACT

The multi-lamellar crown in silver coated copper-beryllium alloy guarantees:
- wider pin-plug surface contact;
- easy removal of the plugs from the sockets;
- perfect cleaning of the plug;
- a hard-wearing, long-lasting electric contact.

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Product specifications page 69
Quick selection tables page 41
Dimensions page 405





ULYSSE SERIES
Wall-mounted interlocked socket-outlets, in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66/IP67 >IK10



Rated current (A)	Frequency	Rated voltage	Colour voltage	Poles	h ref.	Palazzoli Code	Pack Q.ty
16 entry **M25**	50-60Hz	230V	blue	2P+⏚	6	**408126**	1
	50-60Hz	400V	red	3P+⏚	6	**408136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**408146**	1
32 entry **M32**	50-60Hz	230V	blue	2P+⏚	6	**408226**	1
	50-60Hz	400V	red	3P+⏚	6	**408236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**408246**	1
	50/60Hz	380/440V	red	3P+⏚	3	**408233**	1
63 entry **M32**	50-60Hz	230V	blue	2P+⏚	6	**408326**	1
	50-60Hz	400V	red	3P+⏚	6	**408336**	1
	50-60Hz	400V	red	3P+N+⏚	6	**408346**	1

Equipment:
all the socket-outlets have been prewired with 70cm long peeled and numbered cables.
Characteristics:
Socket-outlet directly connected to the circuit breaker. 63A socket-outlet is perfectly modular with the 16A and 32A versions (it is the same height and double the width) and is installed in the same way with the same accessories. 63A socket-outlets with EASY Contact devices.
Complementary items:
straight plugs on page 16
cable glands on page 144.





ULYSSE SERIES
24V wall-mounted socket-outlets **with safety transformer**, in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66/IP67 >IK10

Rated current (A)	Frequency	Rated voltage	Poles	Power (VA)	Palazzoli Code	Pack Q.ty
16 entry **M25**	50-60Hz	230/24V~	2P	150	**409873**	1

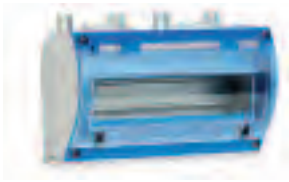
Equipment:
all the socket-outlets have been prewired with 70cm long peeled and numbered cables.
Characteristics:
transformer with built-in thermal protection, enabled by a plug-activated bipolar microswitch.
Complementary items:
straight plugs on page 16
cable glands on page 144.



ULYSSE SERIES
Enclosures with blind cover, in thermosetting (GRP) material with double protection rating IP66/IP67

External dimensions (mm)	No. upper entries	No. lower entries	Palazzoli code	Pack Q.ty
125x175x128	Blind	Blind	**415001**	4
250x175x128	Blind	Blind	**415002**	2

Equipment:
Coupling fitting. Gaskets for interlocked socket-outlets.
Characteristics:
smooth side walls with references for drilling.



ULYSSE SERIES
Enclosures with tranparent door and EN50022, in thermosetting (GRP) material with double protection rating IP66/IP67

External dimensions (mm)	No. modules EN50022	No. upper entries	No. lower entries	Palazzoli Code	Pack Q.ty
125x175x128	5	Blind	Blind	**415101**	2
250x175x128	12	Blind	Blind	**415102**	2

Equipment:
modular covers, coupler, gaskets for interlocked socket-outlets.
Characteristics:
smooth side walls with references for drilling.

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Product specifications page 69
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Dimensions page 405

INTERLOCKED SOCKET-OUTLETS





ULYSSE SERIES
Wall-mounted interlocked socket-outlets and **fuse-holder base**, in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66/IP67 >IK10

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Colour voltage	Poles	h ref.	Palazzoli Code	Pack Q.ty
16 entry **M25**	50-60Hz	230V	blue	2P+⏚	6	**420126**	1
	50-60Hz	400V	red	3P+⏚	6	**420136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**420146**	1
32 entry **M32**	50-60Hz	230V	blue	2P+⏚	6	**420226**	1
	50-60Hz	400V	red	3P+⏚	6	**420236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**420246**	1

Equipment:
all the socket-outlets have been prewired with 70cm long peeled and numbered cables.
Characteristics:
fuses: 10.3x38 for 16A and 32A socket-outlets, 14x51 for 32A socket-outlets.
Complementary items:
straight plugs on page 16
cable glands on page 144.





ULYSSE SERIES
24V wall-mounted socket-outlets **with safety transformer**, in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66/IP67 >IK10

Rated current (A)	Frequency	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Q.ty
16 entry **M25**	50-60Hz	230/24V~	2P	150	**429873**	1

Equipment:
all the socket-outlets have been prewired with 70cm long peeled and numbered cables.
Characteristics:
transformer with built-in thermal protection, enabled by a plug-activated bipolar microswitch.
Complementary items:
straight plugs on page 32
cable glands on page 144.



ULYSSE SERIES
Enclosures with blind cover, in thermosetting (GRP) material with double protection rating IP66/IP67

External dimensions (mm)	No. upper entries	No. lower entries	Palazzoli code	Pack Q.ty
125x175x128	Blind	Blind	**425001**	4
250x175x128	Blind	Blind	**425002**	2

Equipment:
Coupling fitting. Gaskets for interlocked socket-outlets.
Characteristics:
smooth side walls with references for drilling.



ULYSSE SERIES
Enclosures with transparent door and guide EN50022, in thermosetting (GRP) material with double protection rating IP66/IP67

External dimensions (mm)	No. modules EN50022	No. upper entries	No. lower entries	Palazzoli Code	Pack Q.ty
125x175x128	5	Blind	Blind	**425101**	2
250x175x128	12	Blind	Blind	**425102**	2

Equipment:
modular covers, coupler, gaskets for interlocked socket-outlets.
Characteristics:
smooth side walls with references for drilling.

Product specifications page 69
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ULYSSE SERIES
Quick attachment plates **in zinc-plated steel** and anti-corrosion **painted** for distribution boards

Dimensions (mm)	No. installable devices	Palazzoli code	Pack Q.ty
125x500	1	**415901**	1
250x500	2	**415902**	1
375x500	3	**415903**	1
500x500	4	**415904**	1

Equipment:
small plates for side coupling of plates.



ULYSSE SERIES
Support plate **in thermosetting (GRP) material** for making distribution boards

Dimensions (mm)	No. mountable devices	Palazzoli Code	Pack Q.ty
125x540	1	**415801**	1
250x540	2	**415802**	1

Equipment:
built-in threaded metal dowels, supplied with screws and relative stainless steel washers for fastening devices.
Complementary items:
coupling piece code 538791 on page 86.



ULYSSE SERIES
EN50022 rail for fastening modular devices in the enclosures with a blind cover

No. modukes EN50022	For enclosures with dimensions (mm)	Palazzoli code	Pack Q.ty
5	125x175x128	**415011**	1
12	250x175x128	**415012**	1

Uses:
for fastening modular devices (eg. supply/junction terminal blocks).



TAIS SERIES
Fittings for coupling with ULYSSE/TAIS/CAM thermosetting (GRP) devices IP66/IP67

Hole	Assembly hole (mm)	Max. diameter entry hole (mm)	Palazzoli code	Pack Q.ty
M25	25,5	16	**538425**	1
M32	32,5	20	**538432**	1
M40	42,5	27	**538440**	1

Product specifications page 69
Dimensions page 405

THE TAIS SYSTEM

module 95 mm

page 78

Socket-outlet with fuses 16A-32A

page 79

Socket-outlet with direct supply 16A-32A

page 80

Socket-outlet with transformer 150VA

page 82

Isolator with fuses 16A-32A

page 83

Rapid-assembly blind enclosures

page 83

Rapid-assembly blind enclosures with windows

page 83

Rapid socket-outlet-enclosure fixing fittings

page 83

Thermosetting (GRP) guided system plates

page 86

Coupling bolts

module 125 mm

page 78

Socket-outlet with fuses 32A-63A

page 79

Socket with MCB 16A-63A

page 80

Socket-outlet with EN50022 rail 16 32A

page 79

Socket-outlet with direct supply 16A-32A

page 80

Socket-outlet with transformer 144VA

page 82

Isolators with fuses 63A

page 82

Circuit breakers 16A-63A

page 82

Enclosure for direct output

page 82

Horizontal standard Italian dual amp/German fixed socket-outlet

page 82

Enclosure for 2 TAIS-MIGNON devices

page 186


page 185


M 250 mm

page 81

Socket-outlet with electrical interlock 63A-125A

page 80

Socket-outlet with transformer 720VA

page 84

Standard Italian dual amp/German domestic fixed socket-outlets

page 85

High capacity enclosures and covers

page 85

Box/socket-outlet coupling fitting



TAIS series

You install it and forget it

Socket-outlets for heavy duty uses



Rapid fixing

TECHNIQUE

TAIS is a series of high performance interlocked socket-outlets made of thermosetting (GRP) material reinforced with blue (highly recognisable) glass fibre, characterised by high resistance to heat, excellent resistance to humidity, dust and corrosive vapours. The interlock switch has a short circuit conditional current of 10,000A, hence with a plant and cut-in current that is three times higher than category AC22 permitted by the current standards. As a result, the socket-outlets can be installed anywhere, even on the back of the most powerful control units The enclosure is perfectly resistant to the sun, scratches, the attack of rodents, flora, mould and corrosive atmospheres It is also rigid and hard with impace resistance level equal to 20J, therefore indeformable guaranteeing the seal of the gaskets over time. Their high resistance to environmental stresses and the meticulous design of the interlock switch and the socket-outlet mechanical components, guarantee high durability and a much longer mechanical and electrical life than the minimum prescribed by Standard CEI EN 60309. The TAIS socket-outlets can be mounted on plates made of thermosetting (GRP) resin that guarantees double insulation. The resin used is halogen free and is homologated "flame proof" to avoid the flame diffusion in case of fire.

Trademarks, symbols, awards

- *High visibility control*
- *Rapid fixing fitting*

THE ADVANTAGES



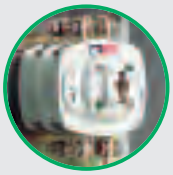
FLAME PROOF

The enclosure, made of halogen free resin, with GWT equal to 960°C, in case of fire does not emit halogen gases (fluor, chlorine, brome, iodine and astatine) and in case of short circuit, it does not smoke and there is no flame propagation.



SAFE

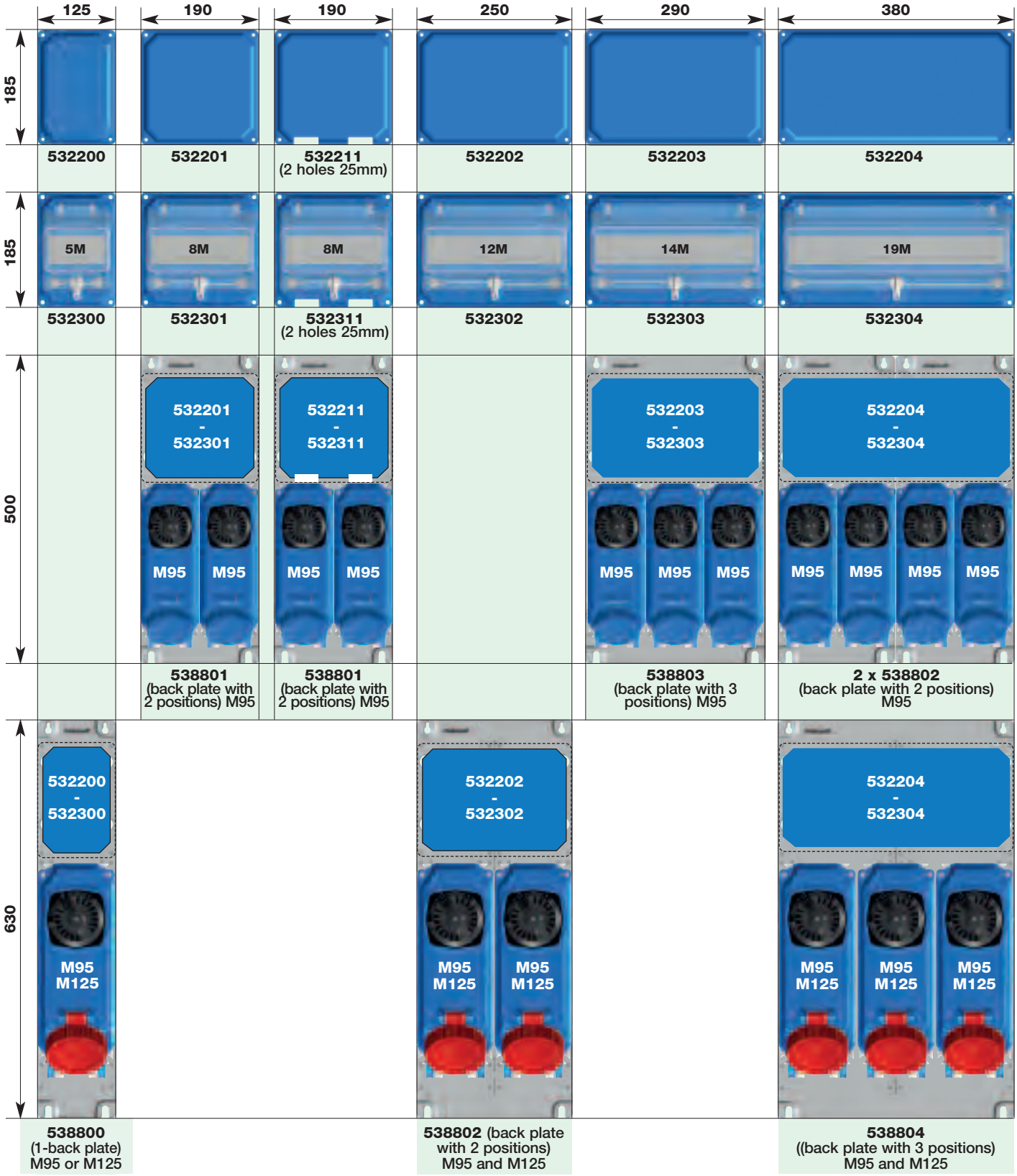
The ceramic fuse-holder base and GWT 960°C self-extinguishing thermosetting (GRP) socket insert (for 63A and 125A) guarantee safety in extreme heat even in limited conditions.



RELIABLE

Heavy load supplies are guaranteed over time by the AC23A-AC3 switch disconnectors with Icc, 10 KA, three times more than the AC22 category.

TAIS IS THE MOST COMPLETE SYSTEM



M95= 16A socket-outlets with fuses, direct supply and transformer.
32A 2P+⏚, 3P+⏚ socket outlets with fuses and direct supply.

M125= 16A socket-outlet, direct supply, MCB and DIN rail.
32A and 63A socket-outlets with fuses, direct supply, MCB and DIN rail.

Coupling fittings



module socket-outlet	Rated current (A)	Upper entry	Code
M95	16A	M25	538425
	32A	M25	
M125	16A	M25	538425
	32A	M32	538432
	63A		

EASY TO CHOOSE AND TO INSTALL

ADVANTAGEOUS



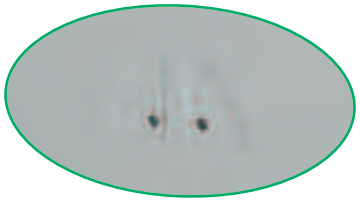
With just one enclosure, you can assemble batteries with up to 4 socket-outlets. You can save up to 50% of your time when performing wiring operations

SPACIOUS AND PRACTICAL



The high volume of the enclosure allows the easy wiring of modular switches up to 125A.
The doors are equipped with lockbolt with lockable knob.

EASY



The guided system on plates helps the assembly of socket-outlets

FITTED WITH ACCESSORIES



The enclosures are designed for several accessories: paper clips, cable clips, terminal blocks, DIN support rail with height adjustment

ALWAYS CLEAN



The enclosure surfaces are easily cleanable, smooth with no receptacles.

MODULAR



Only enclosure size in terms of height and depth to allow perfect horizontal alignment

COMPACT



Only TAIS allows you to install socket-outlets up to 32A in 190mm in width

RESISTANT



Transparent door made of reinforced polyester >IK10 with outstanding resistance to acids and bases

FAST



Fittings for socket-outlet enclosures are snapped without any launching operation. Socket-outlets are fastened to distribution board without any tools

TAIS series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60309-1		IEC 60309-1
	CEI EN 60309-2		IEC 60309-2
	CEI EN 60529		IEC 60529
	CEI EN 60947-3		IEC 60947-3
Protection rating:	IP66/IP67 - IP67		
Impact resistance:	> IK 10		
Glow wire test:	960°C		
Self-extinguishing grade:	V0		
Switch category:	AC3 AC23A rated current		
Temperature resistance:	Operating:		-25°C - +50°C
	Storage:		-50°C - +80°C
Connecting sections of the wires	16A - 32A	min: 1	max: 10mm²
	63A	min: 6	max: 16mm²
	125A	min: 16	max: 70mm²

MODULE 95





TAIS SERIES
Wall-mounted interlocked socket-outlets and **fuse-holder base**, in thermosetting (GRP) isolating modular enclosure IP66/IP67 >IK10



Rated current (A)	Frequency	Rated voltage	Colour voltage	Poles	h ref.	Palazzoli code	Pack Q.ty
16 entry **M25**	50-60Hz	110V	yellow	2P+⏚	4	**472610**	1
	50-60Hz	110V	yellow	3P+⏚	4	**472710**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**472810**	1
	50-60Hz	230V	blue	2P+⏚	6	**472620**	1
	50-60Hz	230V	blue	3P+⏚	9	**472720**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**472820**	1
	50-60Hz	400V	red	2P+⏚	9	**472630**	1
	50-60Hz	400V	red	3P+⏚	6	**472730**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472830**	1
	50-60Hz	500V	black	3P+⏚	7	**472750**	1
	50-60Hz	500V	black	3P+N+⏚	7	**472840**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**472640** ✦	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**472760** ✦	1
	100-300Hz	>50V	green	2P+⏚	10	**472650** ✦	1
	100-300Hz	>50V	green	3P+⏚	10	**472780**	1
	100-300Hz	>50V	green	3P+N+⏚	10	**472870** ✦	1
	>300-500Hz	>50V	green	2P+⏚	2	**472660** ✦	1
	>300-500Hz	>50V	green	3P+⏚	2	**472790** ✦	1
	>300-500Hz	>50V	green	3P+N+⏚	2	**472880** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**472740** ✦	1
	60Hz	440÷460V	red	3P+N+⏚	11	**472850** ✦	1
	DC	>50÷250V	grey	2P+⏚	3	**472670** ✦	1
32 entry **M25**	50-60Hz	110V	yellow	2P+⏚	4	**468224**	1
	50-60Hz	110V	yellow	3P+⏚	4	**468234**	1
	50-60Hz	230V	blue	2P+⏚	6	**468226** ✦	1
	50-60Hz	230V	blue	3P+⏚	9	**468239**	1
	50-60Hz	400V	red	2P+⏚	9	**468229**	1
	50-60Hz	400V	red	3P+⏚	6	**468236** ✦	1
	50/60Hz	380/440V	red	3P+⏚	3	**468233**	1

MODULE 125





TAIS SERIES
Wall-mounted interlocked socket-outlets and **fuse-holder base**, in thermosetting (GRP) isolating modular enclosure IP67 >IK10



Rated current (A)	Frequency	Rated voltage	Colour voltage	Poles	h ref.	Palazzoli Code	Pack Q.ty
32 entry **M32**	50-60Hz	110V	yellow	2P+⏚	4	**472611**	1
	50-60Hz	110V	yellow	3P+⏚	4	**472711**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**472811** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**472621**	1
	50-60Hz	230V	blue	3P+⏚	9	**472721**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**472821**	1
	50-60Hz	400V	red	2P+⏚	9	**472631**	1
	50-60Hz	400V	red	3P+⏚	6	**472731**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472831**	1
	50-60Hz	500V	black	3P+⏚	7	**472751**	1
	50-60Hz	500V	black	3P+N+⏚	7	**472841**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**472641** ✦	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**472761** ✦	1
	100-300Hz	>50V	green	2P+⏚	10	**472651** ✦	1
	100-300Hz	>50V	green	3P+⏚	10	**472781**	1
	100-300Hz	>50V	green	3P+N+⏚	10	**472871** ✦	1
	>300-500Hz	>50V	green	2P+⏚	2	**472661** ✦	1
	>300-500Hz	>50V	green	3P+⏚	2	**472791** ✦	1
	>300-500Hz	>50V	green	3P+N+⏚	2	**472881** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**472741** ✦	1
	60Hz	440÷460V	red	3P+N+⏚	11	**472851** ✦	1
	CC	>50÷250V	grey	2P+⏚	3	**472671** ✦	1
	50/60Hz	380/440V	red	3P+⏚	3	**472771**	1
	50/60Hz	380/440V	red	3P+N+⏚	3	**472861** ✦	1
63 entry **M32**	50-60Hz	110V	yellow	2P+⏚	4	**472612** ✦	1
	50-60Hz	110V	yellow	3P+⏚	4	**472712** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**472812** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**472622**	1
	50-60Hz	230V	blue	3P+⏚	9	**472722**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**472822**	1
	50-60Hz	400V	red	2P+⏚	9	**472632**	1
	50-60Hz	400V	red	3P+⏚	6	**472732**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472832**	1
	50-60Hz	500V	black	3P+⏚	7	**472752**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**472642** ✦	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**472762** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**472742** ✦	1
	60Hz	440÷460V	red	3P+N+⏚	11	**472852** ✦	1
	DC	>50÷250V	grey	2P+⏚	3	**472672** ✦	1

✦ Supplied on request.

Characteristics: fuses: NDZ (E16) fuses for 16A socket-outlets, DIII (E33) for 32A and 63A socket-outlets (not supplied). Fuses on page 167. Lockable knob.



125 module socket-outlets are designed for bottom entry

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MODULE 125





TAIS SERIES
Wall-mounted socket-outlet with **MCB**, mechanical interlock, **signal lamp**, in thermosetting (GRP) insulating modular enclosure
IP67 >IK10



Rated current (A)	Frequency	Rated voltage	Colour voltage	Poles	h ref.	Palazzoli code	Pack Q.ty
16 entry **M25**	50-60Hz	110V	yellow	2P+⏚	4	**474210**	1
	50-60Hz	110V	yellow	3P+⏚	4	**474310** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**474410** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**474220**	1
	50-60Hz	230V	blue	3P+⏚	9	**474320**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**474420** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**474230** ✦	1
	50-60Hz	400V	red	3P+⏚	6	**474330**	1
	50-60Hz	400V	red	3P+N+⏚	6	**474430**	1
	60Hz	440÷460V	red	3P+⏚	11	**474340** ✦	1
	60Hz	440÷460V	red	3P+N+⏚	11	**474450** ✦	1
32 entry **M32**	50-60Hz	110V	yellow	2P+⏚	4	**474611** ✦	1
	50-60Hz	110V	yellow	3P+⏚	4	**474711** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**474811** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**474621**	1
	50-60Hz	230V	blue	3P+⏚	9	**474721**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**474821** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**474631**	1
	50-60Hz	400V	red	3P+⏚	6	**474731**	1
	50-60Hz	400V	red	3P+N+⏚	6	**474831**	1
	60Hz	440÷460V	red	3P+⏚	11	**474741** ✦	1
	60Hz	440÷460V	red	3P+N+⏚	11	**474851** ✦	1
	50/60Hz	380/440V	red	3P+⏚	3	**474771** ✦	1
63 entry **M32**	50-60Hz	110V	yellow	2P+⏚	4	**474612** ✦	1
	50-60Hz	110V	yellow	3P+⏚	4	**474712** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**474812** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**474622**	1
	50-60Hz	230V	blue	3P+⏚	9	**474722**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**474822**	1
	50-60Hz	400V	red	2P+⏚	9	**474632**	1
	50-60Hz	400V	red	3P+⏚	6	**474732**	1
	50-60Hz	400V	red	3P+N+⏚	6	**474832**	1
	60Hz	440÷460V	red	3P+⏚	11	**474742** ✦	1
	60Hz	440÷460V	red	3P+N+⏚	11	**474852** ✦	1

✦ Supplied on request.

Characteristics: lockable knob. Thermomagnetic circuit breakers performances on page 81.

Complementary items:
red-yellow emergency knobs on page 370, cable glands on page 144.



125

125 module socket-outlets are designed for bottom entry

MODULE 95





TAIS SERIES
Wall-mounted interlocked socket-outlet with **direct power supply** in thermosetting (GRP) insulating modular enclosure
IP66/IP67 >IK10



Rated current (A)	Frequency	Rated voltage	Colour voltage	Poles	h ref.	Palazzoli Code	Pack Q.ty
16 entry **M25**	50-60Hz	230V	blue	2P+⏚	6	**470126**	1
	50-60Hz	400V	red	3P+⏚	6	**470136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**470146**	1
32 entry **M25**	50-60Hz	230V	blue	2P+⏚	6	**469226**	1
	50-60Hz	400V	red	3P+⏚	6	**469236**	1
	50-60Hz	380/440V	red	3P+⏚	3	**469233**	1

Characteristics: the socket-outlet is directly connected to the circuit breaker. Lockable knob.

MODULE 125





TAIS SERIES
Wall-mounted interlocked socket-outlet with **direct power supply** in thermosetting (GRP) insulating modular enclosure IP67 >IK10



Rated current (A)	Frequency	Rated voltage	Colour voltage	Poles	h ref.	Palazzoli code	Pack Q.ty
16 entry **M25**	50-60Hz	110V	yellow	2P+⏚	4	**467124**	1
	50-60Hz	230V	blue	2P+⏚	6	**467126**	1
	50-60Hz	400V	red	3P+⏚	6	**467136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**467146**	1
32 entry **M32**	50-60Hz	230V	blue	2P+⏚	6	**470226**	1
	50-60Hz	400V	red	3P+⏚	6	**470236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**470246**	1
	50-60Hz	380/440V	red	3P+⏚	3	**470233**	1
63 entry **M32**	50-60Hz	230V	blue	2P+⏚	6	**470326**	1
	50-60Hz	400V	red	3P+⏚	6	**470336**	1
	50-60Hz	400V	red	3P+N+⏚	6	**470346**	1

Characteristics: the socket-outlet is directly connected to the circuit breaker. Lockable knob.

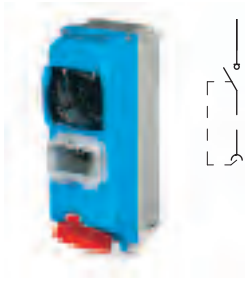


125

125 module socket-outlets are designed for bottom entry

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Quick selection tables page 42
Dimensions page 405

MODULE 125



TAIS SERIES
Wall-mounted interlocked socket-outlets with **EN50022 rail**, transparent door, in thermosetting (GRP) insulating modular enclosure IP67 >IK10

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Colour voltage	Poles	h rif.	Palazzoli Code	Pack Q.ty
16 entry **M25**	50-60Hz	230V	blue	2P+⏚	6	**472020**	1
	50-60Hz	400V	red	3P+⏚	6	**472130**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472240**	1
32 entry **M32**	50-60Hz	230V	blue	2P+⏚	6	**472021**	1
	50-60Hz	400V	red	3P+⏚	6	**472131**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472241**	1
	50/60Hz	380/440V	red	3P+⏚	3	**472133**	1
63 entry **M32**	50-60Hz	230V	blue	2P+⏚	6	**472022**	1
	50-60Hz	400V	red	3P+⏚	6	**472132**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472242**	1

Characteristics:
4-module compartment EN50022.


125

125 module socket-outlets are designed for bottom entry

MODULE 95

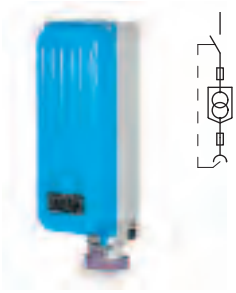


TAIS SERIES
Wall-mounted 24V socket-outlets **with safety transformer**, in thermosetting (GRP) insulating modular enclosure
150VA IP66/IP67 >IK10

Rated current (A)	Frequency	Rated voltage	Poles	Power (VA)	Palazzoli Code	Pack Q.ty
16 entry **M25**	50-60Hz	230/24V	2P	150	**469873**	1
	50-60Hz	400/24V	2P	150	**469893**	1

Characteristics:
continuous class II duty safety transformer enabled by the plug-activated microswitch.
Complementary items:
straight plugs on page 32
cable glands on page 144.

MODULE 125



TAIS SERIES
Wall-mounted 24V socket-outlets **with safety transformer**, in thermosetting (GRP) insulating modular enclosure
150VA IP67 >IK10

Rated current (A)	Frequency	Rated voltage	Poles	Power (VA)	Palazzoli Code	Pack Q.ty
16 entry **M25**	50-60Hz	230/24V	2P	144	**471873**	1
	50-60Hz	400/24V	2P	144	**471893**	1

Characteristics:
class II continuous duty safety transformer enabled activated by a plug microswitch.
Complementary items:
straight plugs on page 32
cable glands on page 144.

MODULE 250



TAIS SERIES
Wall-mounted 48V socket-outlets **with safety transformer**, in thermosetting (GRP) insulating modular enclosure
720VA IP65 >IK10

Rated current (A)	Frequency	Rated voltage	Poles	Power (VA)	Palazzoli Code	Pack Q.ty
32	50-60Hz	230/48V~	2P	720	**471819**	1
	50-60Hz	400/48V~	2P	720	**471839**	1

Characteristics:
continuous class II duty safety transformer enabled by the plug-activated microswitch. Upper "B" entry window.
Complementary items:
straight plugs on page 32, cable glands on page 144 flanges on page 85.

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Dimensions page 405

MODULE 250





TAIS SERIES
Wall mounted socket-outlets with **MCB and electrical interlock** in thermosetting (GRP) insulating modular box - IP65 >IK10



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	400V		3P+⏚	6	**472767**	1
	50-60Hz	400V		3P+N+⏚	6	**472777**	1
125	50-60Hz	400V		3P+⏚	6	**472768**	1
	50-60Hz	400V		3P+N+⏚	6	**472778**	1

Characteristics:
inclusive of pilot contact, upper entry B type window.
Complementary items:
flanges on page 85 modular enclosures on page 85
straight plugs on page 25.

MODULE 250





TAIS SERIES
Wall-mounted socket-outlets with **automatic circuit breaker, electrical interlock and residual current relay** in thermosetting (GRP) insulating modular box IP65 >IK10



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	400V		3P+⏚	6	**472787**	1
	50-60Hz	400V		3P+N+⏚	6	**472797**	1
125	50-60Hz	400V		3P+⏚	6	**472788**	1
	50-60Hz	400V		3P+N+⏚	6	**472798**	1

Characteristics:
inclusive of pilot contact, upper entry B type window.
Complementary items:
flanges on page 85 modular enclosures on page 85
straight plugs on page 25.

Characteristics socket-outlets with MCB

Socket-outlets	16A	32A	63A
EN 60898 EN 60947-3 (AC22A)			
230/400 Vca	Icn 4.5 kA	Icn 6 kA	Icn 10 kA
230/400 Vca	Icn 4.5 kA	Icn 6 kA	Icn 7.5 kA
EN 60947-2			
240 Vca	Icn 10 kA	Icn 20 kA	Icn 30 kA
415 Vca	Icn 5 kA	Icn 10 kA	Icn 15 kA
440 Vca	Icn 3 kA	Icn 6 kA	Icn 10 kA
240 Vca	Ics 75% of Icu	Ics 75% of Icu	Ics 50% of Icu
415 Vca	Ics 75% of Icu	Ics 75% of Icu	Ics 50% of Icu
440 Vca	Ics 75% of Icu	Ics 75% of Icu	Ics 50% of Icu

Characteristics of socket-outlets with electrical interlock

Rated current	63A	125A
Pdi nominal edge Icu (CA 50/60Hz)		
(kA) 220/240V	85	85
(kA) 380/415V	25	25
(kA) 440V	25	25
(kA) 500V	18	18
Pdi nominal service Ics (% Icu)	100%	100%
Adjustable thermal intervention edge	from 50A to 63A	from 100A to 125A
Adjustable magnetic fixed intervention edge	500A	1,250A
Residual current relay characteristics		
Adjustable thermal intervention edge	from 0.03A to 10A	from 0.03A to 10A
Adjustable intervention time	from 0 s. to 0,310 s.	from 0 s. to 0,310 s.

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MODULE 95



CAM SERIES
Watertight wall-mounted switches with with fuse-holder base made of thermosetting (GRP) material
IP67 >IK10



Rated current (A)	Poles	Cable Output	Palazzoli code	Pack Q.ty
16 entry **M25**	3P	M25	**290163**	1
	4P	M25	**290164**	1
32 entry **M25**	3P	M25	**290323**	1
	4P	M25	**290324**	1

Characteristics: fuses: NDZ (E16) fuses for 16A socket-outlets, NDZ (E33) for 32A socket-outlets (not supplied). Lockable knob.
Complementary items: fuses on page 167, cable glands on page 144.

MODULE 125



CAM SERIES
Watertight wall-mounted switches with fuse-holder base made of thermosetting (GRP) material
IP67 >IK10



Rated current (A)	Poles	Cable Output	Palazzoli code	Pack Q.ty
63 entry **M32**	3P	M32	**290762**	1
	4P	M32	**290763**	1

Characteristics: fuses: DIII (E33) for 63A (not supplied). Lockable knob.
Complementary items: fuses on page 167, cable glands on page 144.

MODULE 125



TAIS SERIES
Enclosure prepared for housing 2 flush-mounted TAIS-MIGNON devices vertically

External dimensions (mm)	Device modules	Palazzoli code	Pack Q.ty
125x250x100	Switches, selector switches, buttons, 2P industrial plugs+⏚and signal lamps	**532110**	1

Equipment: inclusive of 2 bottom boxes.
Characteristics: flame proof self-extinguishing thermosetting (GRP) material. The enclosure can be wall- or battery-mounted.
Blind enclosure.
Complementary items: flush-mounted TAIS-MIGNON devices on page 186.

MODULE 125



CAM SERIES
Watertight wall-mounted switches with fuse-holder base made of thermosetting (GRP) material
IP67 >IK10



Rated current (A)	Poles	Cable Output	Palazzoli code	Pack Q.ty
16 entry **M25**	3P	M25	**291163**	1
	4P	M25	**291164**	1
32 entry **M32**	3P	M32	**291323**	1
	4P	M32	**291324**	1
63 entry **M32**	3P	M32	**291633**	1
	4P	M32	**291634**	1

Characteristics: Thermomagnetic circuit breakers performances on page 81. Lockable knob.
Complementary items: cable glands on page 144.

MODULE 125



TAIS SERIES
Enclosure prepared for direct output made of thermosetting (GRP) material
IP66

No. modules EN50022	External dimensions (mm)	Height height (mm)	Height height (mm)	Terminal type	Box height (mm)	Palazzoli code	Pack Q.ty
4	125x185	75	50	blind walls	30	**532527**	1

MODULE 125

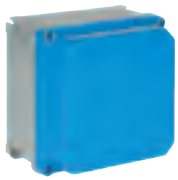


TAIS SERIES
Watertight standard Italian dual amp/German domestic fixed vertical socket-outlet mounted on TAIS enclosure 125x185mm with plug inserted
IP55

External dimensions (mm)	Pins	Pitch	Terminal	Palazzoli code	Pack Q.ty
125x185x100	0 4/4,8	19	P30/P17	**532120**	1

Characteristics: IP55 protection rating with plug inserted. The enclosure can be wall- or battery-mounted.
Blind enclosure.

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TAIS SERIES
Watertight rapid wall-mounted enclosures with with inlet holes with thermosetting (GRP)
IP66/IP67 >IK10

External dimensions (mm)	Hole type	Palazzoli code	Pack Q.ty
125x185	blind	**532200**	1
190x185	blind	**532201**	1
190x185	2 holes Ø 25mm lower part	**532211**	1
250x185	blind	**532202**	1
290x185	blind	**532203**	1
380x185	blind	**532204**	1

Characteristics:
boxes with drilling template
Complementary items:
fittings on page 83.



TAIS SERIES
Watertight rapid wall-mounted enclosures with inlet holes with thermosetting (GRP) door
IP66/IP67 >IK10

External dimensions (mm)	Terminal type	Module No. EN50022	Palazzoli code	Pack Q.ty
125x185	blind	5	**532300**	1
190x185	blind	8	**532301**	1
190x185	2 holes Ø 25mm lower part	8	**532311**	1
250x185	blind	12	**532302**	1
290x185	blind	14	**532303**	1
380x185	blind	19	**532304**	1

Characteristics:
boxes with drilling template trasparent door made of reinforced polyester. Lockbolt with lockable knob.
Complementary items:
fittings on page 83.



TAIS SERIES
Fittings for rapid enclosure/socket coupling ULYSSE/TAIS/CAM
IP66/IP67

Hole foro	Assembly hole (mm)	Max. diameter entry hole (mm)	Palazzoli code	Pack Q.ty
M25	25,5	16	**538425**	1
M32	32,5	20	**538432**	1
M40	42,5	27	**538440**	1



TAIS SERIES
Tamper-proof kit for enclosure sealing for TAIS enclosure sealing

Terminal screw	Description	Palazzoli code	Pack Q.ty
M5x20	stainless steel screw	**532100**	1

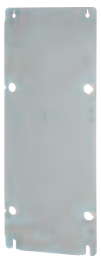
Characteristics:
Cylindrical head hexagonal slot screws and 90° double crossed drilling.



TAIS SERIES
Steel mounting plate
with anticorrosion treatment
For rapid-assembly enclosures

For rapid-assembly enclosures dimensions (mm)	Palazzoli code	Pack Q.ty
125x185	**532700**	1
190x185	**532701**	1
250x185	**532702**	1
290x185	**532703**	1
380x185	**532704**	1

Uses:
for fastening terminal blocks or non-modular fixtures.



TAIS SERIES
Thermosetting (GRP) guided system plates for mounting interlocked socket-outlets with switch disconnectors and enclosures

External dimensions (mm)	No. installable devices	Module installable devices	Palazzoli code	Pack Q.ty
125x630	1	95/125	**538800**	1
190x500	2	95+95	**538801**	1
250x630	2	125+95/125+125	**538802**	1
290x500	3	95+95+95	**538803**	1
380x630	3	125+125+95/125+125+125	**538804**	1

Equipment:
built-in threaded metal dowels, supplied with screws and stainless steel washers for fastening devices
Complementary items:
coupling pieces on page 86.

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Dimensions page 405



TAIS SERIES
Watertight enclosures with blind cover in modular thermosetting (GRP) insulating enclosure
IP67 >IK10

Hole type	Box width (mm)	Box height (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
Blind walls	125	125	50	**532016**	1
Blind walls	185	125	50	**532017**	1
Blind walls	250	125	50	**532018**	1

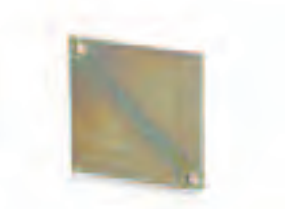
Characteristics: includes drilling template
Complementary items: cable glands on page 144, drills on page 86 and terminal blocks on page 130.



TAIS SERIES
Watertight enclosures with transparent door and DIN rail in modular thermosetting (GRP) insulating enclosure
IP67 >IK10

Hole type	Box width (mm)	Box height (mm)	Cover height (mm)	No. modules EN50022	Palazzoli code pz.	Pack Q.ty
Blind walls	125	125	50	4	**532516**	1
Blind walls	185	125	50	6,5	**532557**	1
Blind walls	250	125	50	9	**532658**	1

Characteristics: includes drilling template
Complementary items: cable glands on page 144, drills on page 86 and terminal blocks on page 130.



TAIS SERIES
Mounting plates in anti-corrosion tropicalized steel plate, for watertight enclosures.

For enclosures dimensions	For enclosures code	Palazzoli code	Pack Q.ty
125x125	532016, 532016EX	**532716**	1
185x125	532017, 532017EX	**532717**	1
250x125	532018	**532718**	1

Uses:
for fastening terminal blocks or non-modular fixtures.



TAIS SERIES
Enclosure designed for housing 2 TAIS-MIGNON devices horizontally

External dimensions (mm)	Devices devices	Palazzoli code	Pack Q.ty
185x125x100	Switches, selector switches, buttons, 2P+ plugs⏚ industrial and signal lamps	**532109**	1

Equipment: inclusive of 2 bottom boxes.
Characteristics: flame proof self-extinguishing thermosetting (GRP) material. The enclosure can be wall- or battery-mounted.
Blind enclosure.
Complementary items: flush-mounted TAIS-MIGNON devices on page 30 186.



TAIS SERIES
Pair of watertight standard Italian dual amp/German domestic fixed horizontal socket-outlets mounted on TAIS 250x125mm enclosure with plug inserted IP55

External dimensions (mm)	Pins	Pitch	Hole	Palazzoli code	Pack Q.ty
250x125x100	0 4/4,8	19	P30/P17	**532119**	1

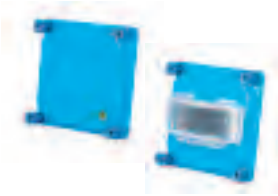
Characteristics: IP55 protection rating with plug inserted.
The enclosure can be wall- or battery-mounted.
Blind enclosure.

Spare parts page 367÷370
Product specifications page 78
Dimensions page 405



TAIS SERIES
High capacity boxes
in insulating thermosetting
(GRP) material
IP67 >IK10

Hole windows	Box width (mm)	Box height (mm)	Palazzoli code	Pack Q.ty
	185	185	**531211**	1
			**531311**	1
	250		**531221**	1
			**531331**	1



TAIS SERIES
Covers for spacious modular
enclosures in thermosetting
(GRP) material
IP67 >IK10

Hole	For boxes with dimensions width (mm)	For boxes with dimensions height (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
Blind	185	185	25	**535320**	1
With door 7.5 modules				**535640**	1
Blind	250	185		**535321**	1
With door 11 modules				**535643**	1



UNI SERIES
Metric hole
or Pg hole
adaptor fittings

Pg	From hole Metric	To metric hole	Palazzoli Code	Pack Q.ty
21	M25	M25	**538421**	1
29	M32	M32	**538429**	1
36	M40	M40	**538436**	1

Characteristics:
enable to couple plugs Pg holes or metric with metric hole enclosures and vice versa. They are essential to couple high-capacity boxes with TAIS intelocked plugs.



TAIS SERIES
Flat blind flanges for watertight
containers IP67

Hole	Window dimensions (mm)	Flange height (mm)	Palazzoli code	Pack Q.ty
a	110x60	15	**538110**	2
b	175x60	15	**538210**	2

Uses: closing the cable entry windows. Holes can be made for applying cable glands.
Complementary items: cable gland from page 144.



TAIS SERIES
Raised blind flanges for watertight
containers IP67

Hole	Window dimensions (mm)	Flange height (mm)	Palazzoli code	Pack Q.ty
a	110x60	45	**538130**	2
b	175x60	45	**538230**	2

Uses: closing the cable entry windows. Holes can be made for applying cable glands. The considerable height aids entry of large cables or pipes and facilitates cabling since the internal volume of the container is increased.
Complementary items: cable gland from page 144.



TAIS SERIES
Power bar fittings for assembling
on watertight enclosures

Installable on windows	Installable bars (mm)	Palazzoli code	Pack Q.ty
a	3 of 16x4 (16x5 - 20x4 - 20x5) 2 of 16x4 (earth and neutral) 3 of ø 9 (auxiliary circuits)	**538180**	1
b	3 of 25x5 (25x6 - 32x5 - 32x6), 2 of 16x4 (earth and neutral) 3 of ø 11 (auxiliary circuits)	**538280**	1

Uses: they facilitate the application of conductive bus bars in watertight distribution boards consisting of equipment in large TAIS insulating modular with windows type, "a" and "b.

Product specifications page 78
Quick selection tables page 42
Dimensions page 405



TAIS SERIES
Plates for mounting of interlocked socket-outlets with disconnector switches in thermosetting (GRP) material

External (mm)	No. installable bars	Module installable bars	Palazzoli code	Pack Q.ty
185x501	2	2X95	**538703**	1
125x630	1	95/125	**538711**	1
250x630	2	125+125/125+95/95+125	**538712**	1

Equipment:
built-in threaded metal dowels, supplied with screws and relative stainless steel washers for fastening devices.
Characteristics:
they do not need an earth connection.
Uses:
for fastening TAIS distribution boards to the wall.



TAIS SERIES
Cup shaped milling cutters equipped with quick special steel drill connection with tungsten carbide gear teeth specific for thermosetting (GRP) material

Assembly hole	Nominal diameter (mm)	Palazzoli code	Pack Q.ty
Pg13,5	20		
Pg16	22		
Pg21	29	**538400**	1
Pg29	38		
Pg36	46		
M20	20,5		
M25	25,5	**538410**	1
M32	32,5		
M40	40,5		



TAIS SERIES
Insulated cable glands with long metric pitch threading, IP68

Thread	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
M12x1,5	12,5	3,5-7	15	**581112**	100
M16x1,5	16,5	5-10	15	**581116**	100
M20x1,5	20,5	7-13	15	**581120**	50
M25x1,5	25,5	10-17	15	**581125**	50
M32x1,5	32,5	13-21	15	**581132**	25
M40x1,5	40,5	19-28	18	**581140**	15
M50x1,5	50,5	27-35	18	**581150**	10
M63x1,5	63,5	34-45	18	**581163**	5

Uses:
for cable/conduit entry into boxes with very thick walls.
Complementary items:
polygonal nuts on page 86.



UNI SERIES
Polygonal nuts with metric pitch thread for cable glands
IP68

Thread	Palazzoli code	Pack Q.ty
M12x1,5	**581212**	100
M16x1,5	**581216**	100
M20x1,5	**581220**	100
M25x1,5	**581225**	100
M32x1,5	**581232**	50
M40x1,5	**581240**	30
M50x1,5	**581250**	30
M63x1,5	**581263**	15

Uses:
they are used to fasten cable glands with metric pitch to walls with through holes.



TAIS SERIES
Coupling piece for plates in insulating thermosetting (GRP) material

For plates code	Palazzoli code	Pack Q.ty
538701, 538702, 538703, 538711, 538712	**538791**	50

Uses:
these snap-on devices are fixed into their housings on the base plates for interlocked socket-outlets.

Product specifications page 78
Dimensions page 405

TAIS SYSYEM IN THERMOSETTING (GRP) MATERIAL

POWER SUPPLY AND COMMAND



16A-125A Interlocked socket-outlets



AS wired distribution boards



ACS wired distribution boards



Isolator switches 16A-600A

DISTRIBUTION, PROTECTION AND AUTOMATION



Distribution boards with blind door



Distribution board with transparent door



Control units

DERIVATION AND COMMAND



Switches, two-way and selector switches



Buttons



Signal lamps



Domestic socket-outlets



Enclosures

EXPLOSIVE ATMOSPHERE



10A-63A Interlocked socket-outlets



Enclosures



Isolator switches 10A-80A



Small modular devices

Interlocked socket-outlets

page 92



Wall-mounted socket-outlets with fuses 16A-32A-63A-125A IP67/IP55

page 94



Wall-mounted interlocked socket-outlets with MCB 16A -32A -63A IP67/IP55

page 95



Wall-mounted socket-outlet with EN50022 rail 16A -32A -63A IP67

page 95



Socket-outlets with transformer 144-720VA IP67/IP55

page 93



Wall-mounted socket-outlets with fuses 250A - 500A IP65

page 94



Wall-mounted socket-outlets with electrical interlock 63A-125A IP65

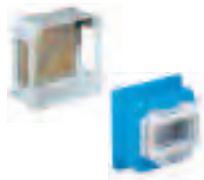
Boxes and covers

page 96



Boxes with blind cover IP67

page 96



Boxes with transparent cover IP67

Flat and raised flanges with cable gland

page 98



Flat closing flanges IP67

page 98



Raised closing flanges IP67

page 98



Closing flanges raised blind IP67

page 98



Closing flanges raised blind IP67

page 98



Reduction flanges IP67

Flat and raised flanges with threaded metric pitch

new page 97



Flat closing flanges with metric pitch IP67

page 144



Cable glands in insulating material and brass IP68

new page 97



Metric pitch threaded closing flange IP67

Plates for mounting socket-outlets

page 97



Steel support plates

Complementary items

page 97



Code 532895 Coupling plates

page 130



Connection and junction terminal blocks



ALUPRES Series
Indestructible

Socket-outlets for heavy duty uses



>>IK 10 (30J: 3 KGS. FROM 1 MT.)

TECHNIQUE

The Alupres series socket-outlets are designed for the most demanding sectors, for the electrical and environmental aspects, with a complete range of products that includes all the normalised rated quantities from 16A to 125A, completed by 250A and 500A out-of-standards socket-outlets. The range of socket-outlets is characterised by the interlocked ones, to be used when the terminal circuit is protected against overcurrents of devices located in the zone or department distribution board, and the machine is equipped with appropriate protections. With this setting, since it is an AC23 category circuit breaker, functions for control, sectioning, emergency interruption, three-phase asynchronous caged rotor motor non-electric maintenance interruption are involved, and are universally used for most machines.

The enclosure, with IP67 protection rating, made of die-cast aluminium alloy powder painted with polymerized non-scratch paint at 180°C, is the best solution for places with very high environmental
stresses. With this technique you can have the following results:
- impact resistance up to 30J even in the worst thermal conditions (from -50 to +70°C);
- complete coupling fitting rigidity to ensure over time perfect gasket adhesion against dust and water splashes;
- resistance to extreme heat and fire (the enclosure is noncombustible and the internal insulating parts resist to GWT up to 960°C).

THE ADVANTAGES



ANTI-CORROSION IMMUNITY
The material used in aluminum alloy with chrome and dust-painted treatment with 180°C polymerised resins, makes it resistant to fatigue, other than resistant to corrosion and impacts.



COMPACT
The socket-outlets with 16A fuses are only 92 mm wide, so you can install distribution boards with 2 socket-outlets on 20 cm columns.



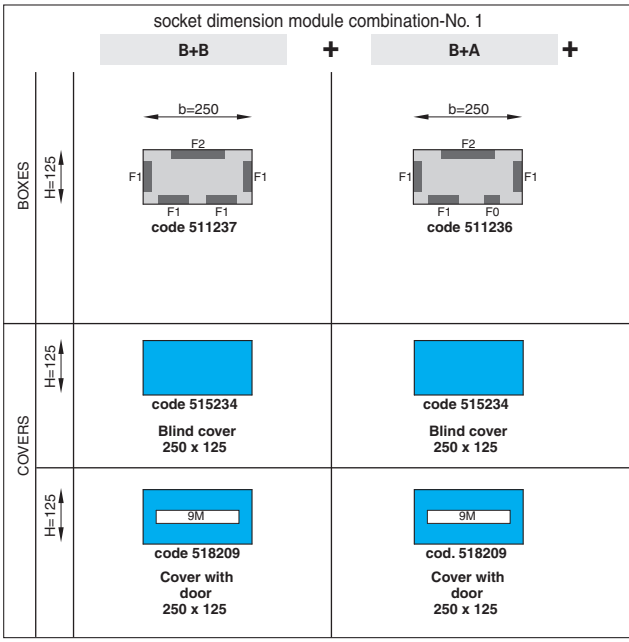
SAFE
The ceramic fuse-holder base and GWT 960°C self-extinguishing thermosetting (GRP) socket insert (for 63A and 125A) guarantee safety in extreme heat even in limited conditions.

GUIDE TO COMPOSING
ALUPRES SERIES DISTRIBUTION BOARDS

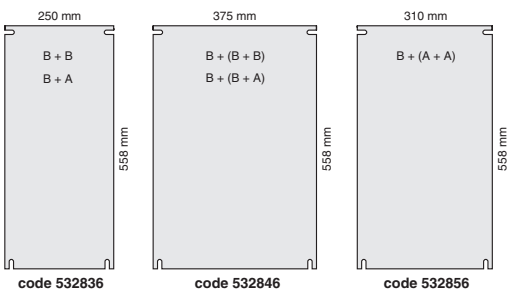
SELECTION 1: Interlocked socket-outlets

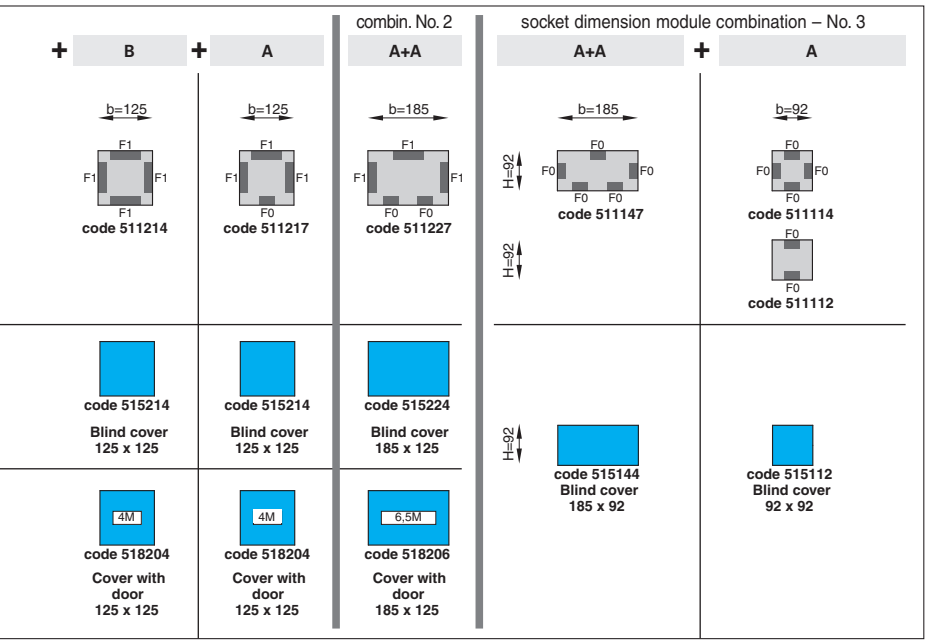
Protection	Geometry	Rated current (A)	Rated voltage (V)	Poles	Upper window passage	Module socket-outlet dimens.	Module width
Fuse-holder base 16A-32A IP67 - 63A IP55	 page 92	16	230	2P+⏚	F0	A	92
			400	3P+⏚			
				3P+N+⏚			
		32	230	2P+⏚	F1	B	125
			400	3P+⏚			
				3P+N+⏚			
		63	230	2P+⏚			
			400	3P+⏚			
				3P+N+⏚			
MCB 16A-32A IP67 - 63A IP55	 page 94	16	230	2P+⏚			
			400	3P+⏚			
				3P+N+⏚			
		32	230	2P+⏚			
			400	3P+⏚			
				3P+N+⏚			
		63	230	2P+⏚			
			400	3P+⏚			
				3P+N+⏚			
EN50022 rail 16A-32A IP67 - 63A IP55	 page 95	16	230	2P+⏚			
			400	3P+⏚			
				3P+N+⏚			
		32	230	2P+⏚			
			400	3P+⏚			
				3P+N+⏚			
		63	230	2P+⏚			
			400	3P+⏚			
				3P+N+⏚			
Transformer- IP67	 page 95	16	400/24	2P	F1	B	125

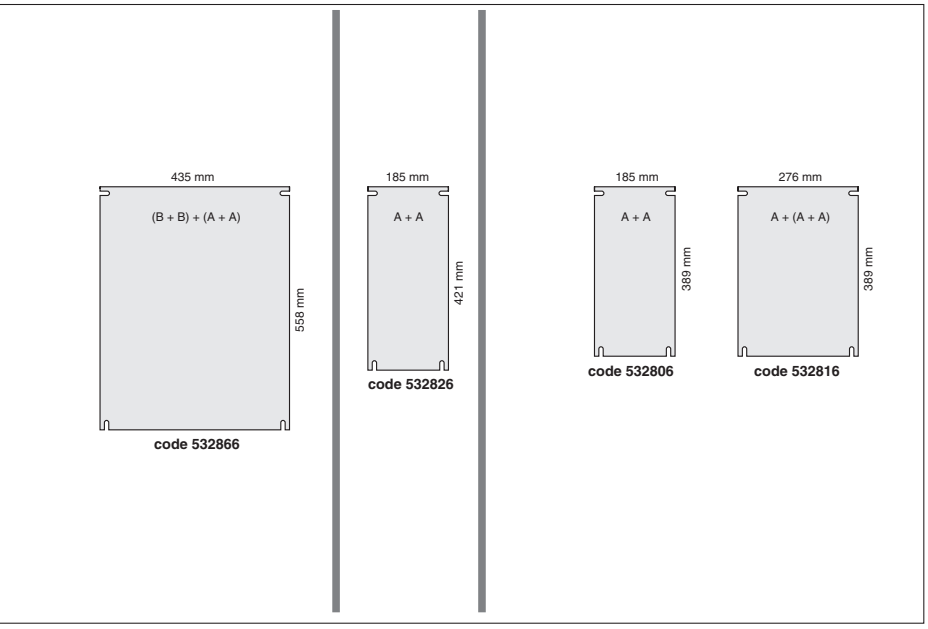
SELECTION 2: Boxes and covers



SELECTION 3: Plates







Guide to selections

Selection 1 Interlocked socket-outlets	Choose the socket-outlets and identify their dimension module (e.g. 16A = module A)
Selection 2 Boxes and covers	Choose the socket-outlet combination, then the dimension module combination (e.g. 2 16A socket-outlets = A+A). Based on the dimension module combination, choose the boxes and their covers.
Selection 3 Plates	Identify the plates to be used for the selected combination. To couple plates, you need coupling plate code. code 532895.
Selection 4 Complementary items	Find the following accessories required for the selected combination: A) closing for unused openings (flat or raised blind flanges) B) cable entries (flat or raised flanges with cable gland).

ALUPRES Series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60309-1		IEC 60309-1
	CEI EN 60309-2		IEC 60309-2
	CEI EN 60529		IEC 60529
	CEI EN 60947-3		IEC 60947-3
Protection rating:	IP55/IP67		
Impact resistance:	>> IK 10		
Glow wire test:	960°C		
Self-extinguishing grade:	V0		
Switch category:	AC3 AC23A rated current		
Temperature resistance:	Operating:		-25°C - +50°C
	Storage:		-50°C - +80°C
Cable entry: cable gland	See the "Guide to making ALUPRES distr. boards"		
Connecting sections of the wires	16A - 32A	min: 1	max: 10mm²
	63A	min: 6	max: 16mm²
	125A	min: 16	max: 70mm²





ALUPRES SERIES
Wall-mounted interlocked socket-outlets and **fuse-holder base** in aluminium alloy modular enclosure - IP67 >>IK10

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16 entry **F0**	50-60Hz	110V	yellow	2P+⏚	4	**472233**	1
	50-60Hz	110V	yellow	3P+⏚	4	**472243**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**472253**	1
	50-60Hz	230V	blue	2P+⏚	6	**472333**	1
	50-60Hz	230V	blue	3P+⏚	9	**472343**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**472353**	1
	50-60Hz	400V	red	2P+⏚	9	**472433**	1
	50-60Hz	400V	red	3P+⏚	6	**472443**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472453**	1
	50-60Hz	500V	black	3P+⏚	7	**472543**	1
	50-60Hz	500V	black	3P+N+⏚	7	**472553**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**472323** ✦	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**472473** ✦	1
	100-300Hz	>50V	green	2P+⏚	10	**472263** ✦	1
	100-300Hz	>50V	green	3P+⏚	10	**472363** ✦	1
	100-300Hz	>50V	green	3P+N+⏚	10	**472283** ✦	1
	>300-500Hz	>50V	green	2P+⏚	2	**472273** ✦	1
	>300-500Hz	>50V	green	3P+⏚	2	**472373** ✦	1
	>300-500Hz	>50V	green	3P+N+⏚	2	**472293** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**472463** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**472533** ✦	1
	CC	>50÷250V	grey	2P+⏚	3	**472383** ✦	1

(to be contd.)

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32 entry **F1**	50-60Hz	110V	yellow	2P+⏚	4	**472236**	1
	50-60Hz	110V	yellow	3P+⏚	4	**472246**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**472256** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**472336**	1
	50-60Hz	230V	blue	3P+⏚	9	**472346**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**472356**	1
	50-60Hz	400V	red	2P+⏚	9	**472436**	1
	50-60Hz	400V	red	3P+⏚	6	**472446**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472456**	1
	50-60Hz	500V	black	3P+⏚	7	**472546**	1
	50-60Hz	500V	black	3P+N+⏚	7	**472556**	1
	50-60Hz	>50V ∗	grey	2P+⏚	12	**472326** ✦	1
	50-60Hz	>50V ∗	grey	3P+⏚	12	**472496** ✦	1
	100-300Hz	>50V	green	2P+⏚	10	**472266** ✦	1
	100-300Hz	>50V	green	3P+⏚	10	**472116**	1
	100-300Hz	>50V	green	3P+N+⏚	10	**472286** ✦	1
	>300-500Hz	>50V	green	2P+⏚	2	**472276** ✦	1
	>300-500Hz	>50V	green	3P+⏚	2	**472126** ✦	1
	>300-500Hz	>50V	green	3P+N+⏚	2	**472296** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**472466** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**472536** ✦	1
	CC	>50÷250V	grey	2P+⏚	3	**472386** ✦	1
	50/60Hz	380/440V	red	3P+⏚	3	**472486** ✦	1
	50/60Hz	380-440V	red	3P+N+⏚	3	**472586** ✦	1

∗ For insulation transformer
✦ Supplied on request.

Characteristics:
fuses: NDZ (E16) fuses for 16A socket-outlets, DIII (E33) for 32A socket-outlets (not supplied). Upper passage: F0-type window for 16A socket-outlets and F1-type window for 32A socket-outlets. Lockable knob.
16A 92mm socket-outlets;
32A 125mm socket-outlets;

Complementary items:
straight plugs on page 16
fuses on page 167.

Uses:
due to their compact dimensions they are ideal for installtion in small spaces (e.g. on pillars, on machines).

Spare parts page 367÷370
Product specifications page 92
Quick selection tables page 43
Dimensions page 407





ALUPRES SERIES
Wall-mounted interlocked socket-outlets and **fuse-holder base** in aluminium alloy modular enclosure IP55 >>IK10

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63 entry **F1**	50-60Hz	110V	yellow	2P+⏚	4	**472237** ✦	1
	50-60Hz	110V	yellow	3P+⏚	4	**472247** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**472257** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**472337**	1
	50-60Hz	230V	blue	3P+⏚	9	**472347**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**472357**	1
	50-60Hz	400V	red	2P+⏚	9	**472437**	1
	50-60Hz	400V	red	3P+⏚	6	**472447**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472457**	1
	50-60Hz	500V	black	3P+⏚	7	**472547**	1
	50-60Hz	>50V ✱	grey	2P+⏚	12	**472327** ✦	1
	50-60Hz	>50V ✱	grey	3P+⏚	12	**472367** ✦	1
	60Hz	440÷460V	red	3P+⏚	11	**472387** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**472397** ✦	1
	CC	>50÷250V	grey	2P+⏚	3	**472377** ✦	1
125 entry **F3**	50-60Hz	110V	yellow	3P+⏚	4	**472248** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**472258** ✦	1
	50-60Hz	230V	blue	3P+⏚	9	**472348**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**472358**	1
	50-60Hz	400V	red	3P+⏚	6	**472418**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472428**	1
	50-60Hz	500V	black	3P+⏚	7	**472518**	1
	60Hz	440÷460V	red	3P+⏚	11	**472388** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**472398** ✦	1

✦ Supplied on request.
✱ For insulation transformer.

Characteristics:
upper passage F1-type window for 63A socket-outlets, and F3-type window for 125A socket-outlets. Fuses: DIII (E33) for 63A socket-outlets ACR GR00 and 125A socket-outlets (not supplied). Lockable knob.
63A 125mm socket-outlets;
125A 185mm socket-outlets;
Complementary items:
cable entry flanges on page 97
straight plugs on page 16
enclosures on page 96
fuses on page 167.





ALUPRES SERIES
Wall-mounted watertight interlocked FP socket-outlets with aligned poles and **fuse-holder base** in aluminium alloy modular enclosure - IP55 >>IK10

Rated current (A)	Frequency	Rated voltage	Poles	Enclosure dimensions (mm)	Palazzoli code	Pack Q.ty
250 entry **F5**	50-60Hz	500V~ max	3P+⏚	315x507	**422039**	1
500 entry **F6**	50-60Hz	500V~ max	3P+⏚	630x630	**422079**	1

Equipment:
equipped with gaskets and screws for fastening accessories.
Earth screws inside and outside the box.
Characteristics:
fuses: ACR GR1 for 250A socket-outlets and ACR GR3 for 500A socket-outlets (not supplied). The 500A socket-outlet is composed of two 250A socket-outlets in parallel. Upper passage F5 window for 250A socket-outlets and F6 window for 500A socket-outlets.
250A 315mm socket-outlets;
500A 630mm socket-outlets;
Complementary items:
cable entry flanges on page 97
FP plugs on page 25
enclosures on page 135
fuses on page 167.

EASY CONTACT

The multi-lamellar crown in silver coated copper-beryllium alloy guarantees:
- wider pin-plug surface contact;
- easy removal of the plugs from the socket-outlets;
- perfect cleaning of the plug
- a hard-wearing long-lasting electric contact

Spare parts page 367÷370
Product specifications page 92
Quick selection tables page 43
Dimensions page 407

INTERLOCKED SOCKET-OUTLETS



ALUPRES SERIES
Wall-mounted socket-outlets with **MCB**, mechanical interlock, signal lamp in modular enclosure made of aluminium alloy - IP67 >>IK10

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16 entry **F1**	50-60Hz	110V	yellow	2P+⏚	4	**474633** ✦	1
	50-60Hz	110V	yellow	3P+⏚	4	**474643** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**474653** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**474733**	1
	50-60Hz	230V	blue	3P+⏚	9	**474743** ✦	1
	50-60Hz	230V	blue	3P+N+⏚	9	**474753** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**474833** ✦	1
	50-60Hz	400V	red	3P+⏚	6	**474843**	1
	50-60Hz	400V	red	3P+N+⏚	6	**474853**	1
	60Hz	440÷460V	red	3P+⏚	11	**474863** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**474133** ✦	1
32 entry **F1**	50-60Hz	110V	yellow	2P+⏚	4	**474236**	1
	50-60Hz	110V	yellow	3P+⏚	4	**474246**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**474256** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**474336**	1
	50-60Hz	230V	blue	3P+⏚	9	**474346**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**474356**	1
	50-60Hz	400V	red	2P+⏚	9	**474436**	1
	50-60Hz	400V	red	3P+⏚	6	**474446**	1
	50-60Hz	400V	red	3P+N+⏚	6	**474456**	1
	60Hz	440÷460V	red	3P+⏚	11	**474466** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**474536** ✦	1
	50/60Hz	380/440V	red	3P+⏚	3	**474486** ✦	1
	50/60Hz	380-440V	red	3P+N+⏚	3	**474586** ✦	1
63 entry **F1 IP55**	50-60Hz	110V	yellow	2P+⏚	4	**474237** ✦	1
	50-60Hz	110V	yellow	3P+⏚	4	**474247** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**474257** ✦	1
	50-60Hz	230V	blue	2P+⏚	6	**474337**	1
	50-60Hz	230V	blue	3P+⏚	9	**474347** ✦	1
	50-60Hz	230V	blue	3P+N+⏚	9	**474357** ✦	1
	50-60Hz	400V	red	2P+⏚	9	**474437** ✦	1
	50-60Hz	400V	red	3P+⏚	6	**474447**	1
	50-60Hz	400V	red	3P+N+⏚	6	**474457**	1
	60Hz	440÷460V	red	3P+⏚	11	**474387** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**474397** ✦	1

✦ Prodotto fornibile a richiesta.

Characteristics:
upper passage with F1 window. Lockable knob.
16A, 32A and 63A 125mm socket-outlets.
Complementary items:
cable entry flanges on page 97
straight plugs on page 16.





ALUPRES SERIES
Wall-mounted socket-outlets with **automatic circuit breaker and electrical interlock** in aluminium alloy modular enclosure - IP55 >>IK10

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63 entry **F5**	50-60Hz	110V	yellow	3P+⏚	4	**472487** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**472577** ✦	1
	50-60Hz	230V	blue	3P+⏚	9	**472497**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**472587** ✦	1
	50-60Hz	400V	red	3P+⏚	6	**472467**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472477**	1
	50-60Hz	500V	black	3P+⏚	7	**472567**	1
	60Hz	440÷460V	red	3P+⏚	11	**472607** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**472597** ✦	1
125 entry **F5**	50-60Hz	110V	yellow	3P+⏚	4	**472488** ✦	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**472578** ✦	1
	50-60Hz	230V	blue	3P+⏚	9	**472498**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**472588** ✦	1
	50-60Hz	400V	red	3P+⏚	6	**472468**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472478**	1
	50-60Hz	500V	black	3P+⏚	7	**472568**	1
	60Hz	440÷460V	red	3P+⏚	11	**472608** ✦	1
	60Hz	440-460V	red	3P+N+⏚	11	**472598** ✦	1

✦ Supplied on request.

Characteristics:
upper passage with F5 window.
Inclusive of pilot contact used for outer lock.
63A, 125A and 63A 252mm socket-outlets.
Complementary items:
cable entry flanges on page 97
modular containers on page 135
straight plugs on page 25.

EASY CONTACT

The multi-lamellar crown in silver coated copper-beryllium alloy guarantees:
- wider pin-plug surface contact;
- easy removal of the plugs from the socket-outlets;
- perfect cleaning of the plug
- a hard-wearing long-lasting electric contact

Spare parts page 367÷370
Product specifications page 92
Quick selection tables page 43
Dimensions page 407





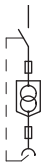
ALUPRES SERIES
Wall-mounted interlocked socket-outlets, **EN50022 rail** and transparent door in aluminium alloy modular enclosure IP67 >>IK10

EASY CONTACT

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16 entry **F1**	50-60Hz	230V	blue	2P+⏚	6	**472623**	1
	50-60Hz	400V	red	3P+⏚	6	**472733**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472843**	1
32 entry **F1**	50-60Hz	230V	blue	2P+⏚	6	**472624**	1
	50-60Hz	400V	red	3P+⏚	6	**472734**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472844**	1
	50/60Hz	380/440V	red	3P+⏚	3	**472735**	1
63 entry **F1 IP55**	50-60Hz	230V	blue	2P+⏚	6	**472027**	1
	50-60Hz	400V	red	3P+⏚	6	**472137**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472647**	1

Characteristics:
upper passage with F1 window.
4-module EN50022 compartment.
Lockable knob.
16A, 32A and 63A 125mm socket-outlets.
Complementary items:
cable entry flanges on page 97
straight plugs on page 16.





ALUPRES SERIES
Wall-mounted 24V socket-outlets with **safety transformer**, in aluminium alloy modular enclosure IP67 >>IK10

Rated current (A)	Frequency	Rated voltage	Dimensions (mm)	Poles	Power (VA)	Palazzoli code	Pack Q.ty
16 entry **F1**	50-60Hz	230/24V	125x335	2P	150	**471812**	1
	50-60Hz	400/24V	125x335	2P	150	**471832**	1

Characteristics:
continuous class II duty safety transformer enabled by the plug-activated microswitch.
16A 125mm socket-outlets;
Complementary items:
straight plugs on page 32.

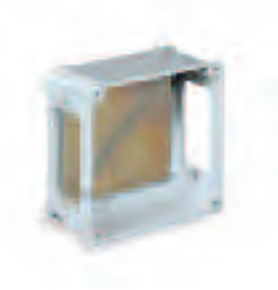


ALUPRES SERIES
Wall-mounted 48V socket-outlets with **safety transformer**, in aluminium alloy modular enclosure - IP55 >>IK10

Rated current (A)	Frequency	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Q.ty
32	50-60Hz	230/48V~	2P	720	**471818**	1
	50-60Hz	400/48V~	2P	720	**471838**	1

Equipment: 3/4" gas cable gland.
Characteristics: continuous class II duty safety transformer enabled by the plug-activated microswitch.
32A 252mm socket-outlets;
Complementary items: straight plugs on page 32.

Spare parts page 367÷370
Product specifications page 92
Quick selection tables page 43
Dimensions page 407



ALUPRES SERIES
Boxes with windowed walls for watertight enclosures in aluminium alloy, complete with mounting plates in tropicalized steel plate IP67

External dimensions (mm)	Window window	Palazzoli code	Pack Q.ty
92x92x42	F0 F0	**511112**	1
92x92x42	F0 F0 F0 F0	**511114**	1
185x92x42	F0 F0 F0 F0 F0	**511147**	1
125x125x63	F1 F1	**511212**	1
125x125x63	F1 F1 F1	**511214**	1
125x125x63	F1 F1 F0	**511217**	1
185x125x63	F1 F1 F1 F0 F0	**511227**	1
252x125x63	F2 F1 F1 F1 F0	**511236**	1
252x125x63	F2 F1 F1 F1 F1	**511237**	1

Equipment:
free windows with gaskets in non-ageing elastomer and screws for applying accessories or for coupling with other boxes. Internal and external earth screws. Complete with mounting plates (except codes 511112 and 511114).
Complementary items:
covers on page 96
socket-outlets from page 92
flanges on page 97
terminal blocks on page 130
base plates on page 97.



ALUPRES SERIES
Low blind covers for watertight enclosures in aluminium alloy IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
92x92	23	**515111**	1
125x125	10	**515200**	1
185x125	25	**515221**	1

Equipment:
inclusive of non-ageing gasket and captive stainless steel fixing screws.



ALUPRES SERIES
High blind covers for watertight enclosures in aluminium alloy IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
92x92	35	**515112**	1
185x92	50	**515144**	1
125x125	50	**515214**	1
185x125	50	**515224**	1
252x125	50	**515234**	1

Equipment:
inclusive of non-ageing gasket and captive stainless steel fixing screws.
Characteristics:
the considerable height of the cover makes it ideal for containing enclosed switches.

Product specifications page 92
Dimensions page 407



ALUPRES SERIES
Covers with transparent door, EN50022 rail and accessories, for making watertight enclosures in aluminium alloy
IP67

For boxes with dimensions (mm)	Modules no. EN50022	Cover height (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
125x125	4	50	30	**518204**	1
185x125	6,5	50	30	**518206**	1
252x125	9	50	30	**518209**	1

Equipment: inclusive of non-ageing gasket, captive stainless steel fixing screws and EN50022 rail.
Characteristics:
when fitted on the box they allow for the installation of modular devices.



ALUPRES SERIES
Plates in zinc-plated steel and painted for mounting socket-outlets in aluminium alloy enclosure

Dimensions (mm)	Installable devices no.	Installable devices module	Palazzoli code	Pack Q.ty
185x389	2	2x92	**532806**	1
276x389	3	3x92	**532816**	1
185x421	2	2x92	**532826**	1
250x558	2	2x125 / 125+92	**532836**	1
375x558	3	3x125	**532846**	1
310x558	3	125+2x92	**532856**	1
435x558	4	2x125+2x92 / 125+3x92	**532866**	1

Equipment:
designed with threaded holes and inclusive of stainless steel screws for fastening devices.
Complementary items:
interlocked socket-outlets from page 92, enclosures on page 96.



ALUPRES SERIES
Pair of small plates with screws for coupling steel plates

For plates	Palazzoli code	Pack Q.ty
532806, 532816, 532826, 532836, 532846, 532856, 532866	**532895**	1

Uses:
these increase the combinations of possible distribution board arrangements.



ALUPRES SERIES
Flat closing aluminium alloy flanges with metric pitch threading, for enclosures with windowed walls
IP67

For windows	Threading type	Palazzoli code	Pack Q.ty
F0	M25	**541050**	1
F1	M25	**541055**	1

Complementary items:
cable glands on page 144.



ALUPRES SERIES
Raised closing aluminium alloy flanges with metric pitch threading, for enclosures with windowed walls
IP67

For windows	Threading type	Palazzoli code	Pack Q.ty
F1	M32	**540180**	1
F2	M32	**540185**	1
F2	M40	**540186**	1
F3	M40	**540190**	1
F4	M40	**540193**	1
F5	M50	**540195**	1

Complementary items:
cable glands on page 144.

Spare parts page 367÷370
Product specifications page 92
Dimensions page 407



ALUPRES SERIES
Flat closing aluminium alloy flanges with cable gland for enclosures with windowed walls
IP67

For windows	Ring nut diameter	Gasket diameter	Threading type	Palazzoli code	Pack Q.ty
F0 (insulating mat.)	16	9÷12	1/2"	**541010**	1
F0 (insulating mat.)	20	14÷16	3/4"	**541020**	1
F0	16	9÷12	1/2"	**541080**	1
F0	20	12÷16	3/4"	**541090**	1
F0	25,5	17÷20	1"	**541030**	1
F1	16	9÷12	1/2"	**541011**	1
F1	20	14÷16	3/4"	**541021**	1
F0	16	9÷12	1/2"	**541040**	1

Characteristics:
suitable for the entry with threaded pipes code 541040 two separate access points.



ALUPRES SERIES
Raised closing aluminium alloy flanges with cable gland for enclosures with window walls IP67

For windows	Ring-nut diameter	Gasket diameter	Threading type	Palazzoli code	Pack Q.ty
F1	25,5	16÷22	1"	**540151**	1
F1	36	25÷26	1" 1/4	**540141**	1
F2	25,5	16÷22	1"	**540152**	1
F2	36	25÷26	1" 1/4	**540142**	1
F3	41,5	34÷35	1" 1/2	**540153**	1
F4	41,5	25÷35	1" 1/2	**540154**	1
F5	50	33÷44	2"	**540145**	1
F6	70	63÷64	2" 3/4	**540156**	1

Uses:
suitable for the entry with threaded pipes. These make wiring easier as they increase the internal volume of the enclosure.



ALUPRES SERIES
Flat steel closing flanges for enclosures with windowed walls
IP67

For windows	Overhang (mm)	Palazzoli code	Pack Q.ty
F0 (insulating mat.)	5	**540030**	1
F1 (insulating mat.)	6	**540031**	5
F0	2,5	**540090**	5
F1	5,5	**540091**	5
F2	5,5	**540032**	1
F3	6	**540033**	2
F4	6	**540034**	2
F5	7	**540035**	2
F6	8	**540036**	1

Uses:
they close unused windows. Holes can be made for applying cable glands.



ALUPRES SERIES
Raised closing flanges in aluminium alloy for enclosures with windowed walls
IP67

For windows	Overhang (mm)	Palazzoli code	Pack Q.ty
F1	32	**540061**	1
F2	32	**540062**	1
F3	50	**540063**	1
F4	50	**540064**	1
F5	80	**540065**	1
F6	80	**540066**	1

Uses:
they close unused windows. These make wiring easier as they increase the internal volume of the enclosure.

Dimensions page 408



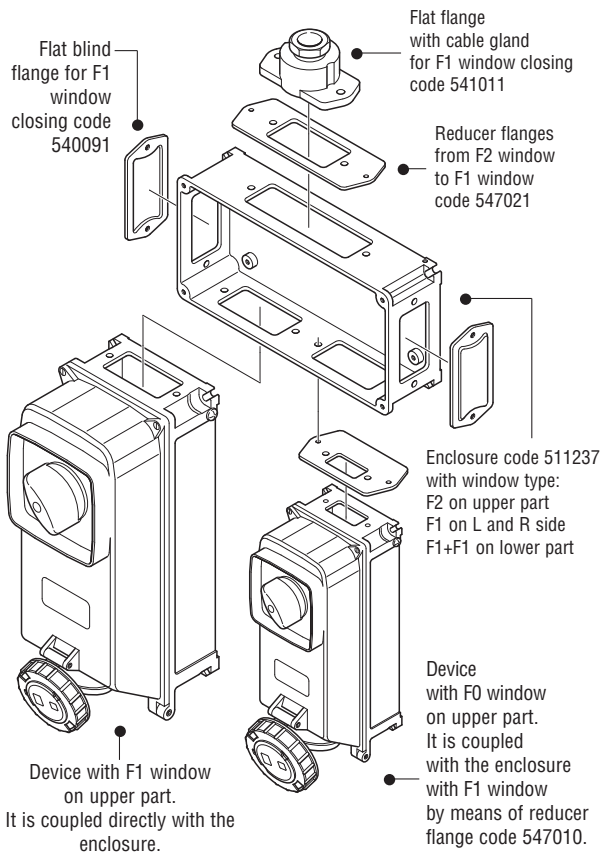
ALUPRES SERIES
Reducers in steel for windows
IP67

Form	Reducer type from window	Reducer type to window	Thickness (mm)	Palazzoli code	Pack Q.ty
	F1	F0	3	**547010**	1
	F2	F0	4	**547020**	1
	F2	F1	4	**547021**	1
	F3	F0	4	**547030**	1
	F3	F1	4	**547031**	1
	F3	F2	4	**547032**	1
	F3	2xF0	5	**547300**	1
	F4	F1	4	**547041**	1
	F4	F2	4	**547042**	1
	F4	F3	4	**547043**	1
	F4	F1+F0	6	**547410**	1
	F4	2xF1	5	**547411**	1
	F5	F3	5	**547053**	1
	F5	F4	5	**547054**	1
	F6	F3	5	**547063**	1
	F6	F4	5	**547064**	1
	F6	F5	5	**547065**	1
	F5	F1	5	**547151**	1
	F5	F2	5	**547152**	1
	F6	F1	5	**547161**	1
	F6	F2	5	**547162**	1

(to be contd.)

Uses: boxes and socket-outlets can be interfaced with different windows.
Complementary items: socket-outlets from page 92, enclosures on page 96.
Characteristics: codes 547151, 547152, 547161, 547162 serve only to couple the boxes with the flanges with cable gland.

Applicative example of steel reducers for windows



AS WIRED DISTRIBUTION BOARDS

The products and recommended applications

SERVICE SECTOR		INDUSTRY			MAJOR FIRE HAZARD
Bars Motorway cafes Wellness centres Hypermarkets Offices Exhibition halls Photographic studios	Parks Outlets Squares Playgrounds	Plastic moulding Manufacturing Textiles Technical rooms	Wine-cellars Dairies Butchers Food packaging Ham factories Feed factories	Railway sector Oil industry Steel industry Mechanical industry Pharmaceutical industry Chemical industry Cement plants Iron-Steel, Airports Race tracks	Schools Museums Libraries Malls Hotel facilities Hospitals, rest homes Deposits and warehouses Public entertainment centres

THERMOPLASTIC



topTER IP44



PRIMA IP55



topTER IP66/IP67

THERMOSETTING (GRP)



TAIS IP67





topTER 102

In thermoplastic with interlocked socket-outlets



topTER 102

In thermoplastic with fixed sockets



TAIS 103

In GRP material with interlocked socket-outlets

topTER series

PRODUCT SPECIFICATIONS

Conformity to Standards:	CEI EN 60439-1	CEI 17-13/1
Protection rating:	IP44 / IP66	
Impact resistance:	> IK 08	
Glow wire test:	960° switch / 850° socket-outlet insert / 650° distribution board	
Self-extinguishing:	V0 / V2 / HB	
Insulation:	double ⧈	
Temperature resistance:	Operating:	-25°C - +50°C
	Storage:	-30°C - +70°C



topTER SERIES
AS wired distribution boards with 3 16A interlocked socket-outlets and magnetothermal protection in thermoplastic material
IP66

Interlocked Socket-outlets 2P+⏚ 220V	Interlocked Socket-outlets 3P+⏚ 380V	MCB protection	Palazzoli code	Pack Q.ty
3		1x2P / 16A	**678120**	1
2	1	1x2P / 16A, 1x3P / 16A	**678121**	1

Characteristics:
walls with knockouts. Complete insulation of distribution boards ensured by internal insulating screwcaps. Door supplied with snap closing and safety lock closing.
Complementary items:
coupling plates, transport handles, support for transportable board, frames for holding boards on page 60.



topTER SERIES
AS wired distribution boards with 2 16A non-interlocked socket-outlets and magnetothermal protection, in thermoplastic material
IP65

Industrial socket-outlets 2P+⏚ 220V	Industrial socket-outlets 3P+⏚ 380V	Domestic socket-outlets 2P+⏚ P30 220V	MCB protection	Palazzoli code	Pack Q.ty
1	1		1x4P / 16A	**678020**	1
1		1	1x2P / 16A	**678021**	1
	1	1	1x4P / 16A	**678022**	1

Characteristics:
walls with knockouts. Complete insulation of distribution boards ensured by internal insulating screwcaps. Door supplied with snap closing and safety lock closing.
Complementary items:
coupling plates, transport handles, support for transportable board, frames for holding boards on page 60.



topTER SERIES
AS wired distribution boards with 4 16A non-interlocked socket-outlets and magnetothermal protection, in thermoplastic material
IP66

Industrial socket-outlets 2P+⏚ 220V	Industrial socket-outlets 3P+⏚ 380V	Domestic socket-outlet 2P+⏚ 220V P30/P17	MCB protection	Palazzoli code	Pack Q.ty
4			2x2P / 16A	**678040**	1
3	1		2x2P / 16A 1x3P / 16A	**678041**	1
2	2		2x2P / 16A 1x3P / 16A	**678042**	1
2	1	1	2x2P / 16A 1x3P / 16A	**678047**	1
2		2	3x2P / 16A	**678049**	1

Characteristics: walls with knockouts. Complete insulation of distribution boards ensured by internal insulating screwcaps.
Door supplied with snap closing and safety lock closing.
Complementary items: coupling plates, transport handles, support for transportable board on page 60.



topTER SERIES
AS wired distribution boards with 6 16A non-interlocked socket-outlets and magnetothermal protection, in thermoplastic material
IP66

Industrial socket-outlets 2P+⏚ 220V	Industrial socket-outlets 3P+⏚ 380V	Industrial socket-outlets 3P+N+⏚ 380V	Domestic socket-outlet 2P+⏚ 220V P30/P17	MCB protection	Palazzoli code	Pack Q.ty
4	2			2x2P / 16A, 1x3P / 16A	**678060**	1
3	3			1x2P / 16A, 1x3P / 16A	**678061**	1
3	2	1x32A		1x2P / 16A, 1x3P / 16A 1x4P / 32A	**678062**	1
2	2	1x32A	1	2x2P / 16A, 2x4P / 16A	**678063**	1
2	1	1	2	3x2P / 16A, 1x4P / 16A	**678069**	1

Characteristics:
walls with knockouts. Complete insulation of distribution boards ensured by internal insulating screwcaps. Door supplied with snap closing and safety lock closing.
Complementary items:
coupling plates, transport handles, support for transportable board, frames for holding boards on page 60.

Product specifications page 102
Dimensions page 409

TAIS series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60439-1	CEI 17-13/1
Protection rating:	IP67	
Impact resistance:	> IK 10	
Glow wire test:	960°C	
Self-extinguishing grade:	V0	
Insulation:	double ⧈	
Temperature resistance:	Operating:	-25°C - +50°C
	Storage:	-50°C - +80°C



TAIS SERIES
AS wired and certified ready-to-use distribution boards with 2 16A interlocked socket-outlets and fuses, differential protection 40A 30mA, in thermosetting (GRP) material
IP67

16A interlocked socket-outlets 2P+⏚ 220V	16A interlocked socket-outlets 3P+⏚ 380V	RCD protection	Palazzoli code	Pack Q.ty
2		40A 2P 30mA	**500451**	1
1	1	40A 4P 30mA	**500452**	1
	2	40A 4P 30mA	**500453**	1

Equipment:
socket-outlets with fuses.



TAIS SERIES
AS wired and certified ready-to-use distribution boards with 2 16A interlocked socket-outlets and fuses in thermosetting (GRP) material
IP67

16A interlocked socket-outlets 2P+⏚ 220V	16A interlocked socket-outlets 3P+⏚ 380V	Palazzoli code	Pack Q.ty
2		**500401**	1
1	1	**500402**	1
	2	**500403**	1

Equipment:
board with terminal block of 4x16mm²
socket-outlets with fuses.



TAIS SERIES
AS wired and certified ready-to-use distribution boards with 2 16A interlocked socket-outlets with fuses, differential protection 40A 30mA, in thermosetting (GRP) material
IP66/IP67

16A interlocked socket-outlets 2P+⏚ 220V	16A interlocked socket-outlets 3P+⏚ 380V	RCD protection	Palazzoli code	Pack Q.ty
2		40A 2P 30mA	**500461**	1
1	1	40A 4P 30mA	**500462**	1
	2	40A 4P 30mA	**500463**	1

Equipment:
socket-outlets with fuses.



TAIS SERIES
AS wired and certified ready-to-use distribution boards with 2 16A interlocked socket-outlets and fuses in thermosetting (GRP) material
IP66/IP67

16A interlocked socket-outlets 2P+⏚ 220V	16A interlocked socket-outlets 3P+⏚ 380V	Palazzoli code	Pack Q.ty
2		**500411**	1
1	1	**500412**	1
	2	**500413**	1

Equipment:
board with terminal block of 4x16mm²
socket-outlets with fuses.

Product specifications page 103
Dimensions page 409

AS WIRED DISTRIBUTION BOARDS

The products and recommended applications

CONSTRUCTION FOR TEMPORARY USE CIRCUSES, PATRONAL FEASTS, MARKETS, BUILDING SITES, QUARRIES, SHIPYARDS

Inlet distribution boards	Direct output distribution board	Main distribution boards	Surface/zone distribution boards	Transformation distribution boards	Portable distribution boards
THERMOPLASTIC					
					
ENERGYBOX IP65	ENERGYBOX IP55	ENERGYBOX IP55	ENERGYBOX IP55	ENERGYBOX IP65	ENERGYBOX IP66
	THERMOSETTING (GRP)				
					
	TAIS IP65	TAIS IP65	TAIS IP65		





ENERGYBOX 108
Inlet distribution boards



TAIS 110
GRP distribution boards with direct output



ENERGYBOX 108
Thermoplastic distribution boards with direct output



ENERGYBOX 109
Thermoplastic main distribution boards



TAIS 110
GRP main distribution boards stand plate



ENERGYBOX 112
Surface/zone distribution boards



ENERGYBOX 114-115
Wiring distribution board



ENERGYBOX 117
Portable distribution boards



ENERGYBOX 117
Transformation distribution boards



ENERGYBOX 117
Accessories

ENERGY DISTRIBUTION SCHEME AT A BUILDING SITE

THERMOSETTING (GRP) RANGE

DIRECT OUTPUT DISTRIBUTION BOARD



MAIN DISTRIBUTION BOARD



AS DISTRIBUTION BOARD



SURFACE/ZONE DISTRIBUTION BOARD



CANTEENS AND SHACKS

CONCRETE MIXERS AND CRANES

RESTRICTED CONDUCTOR AREAS

ELECTRICAL TOOLS: DRILL AND PNEUMATIC DRILL

THERMOPLASTIC RANGE



INLET
DISTRIBUTION
BOARD

DIRECT OUTPUT DISTRIBUTION BOARD



MAIN DISTRIBUTION
BOARD





AS DISTRIBUTION
BOARD

SURFACE/ZONE
DISTRIBUTION
BOARD

PORTABLE
DISTRIBUTION
BOARD







TRANSFORMATION
DISTRIBUTION
BOARD

ELECTRICAL TOOLS:
DRILL AND
PNEUMATIC DRILL

RESTRICTED
CONDUCTOR AREAS

CONCRETE MIXERS
AND CRANES

CANTEENS
AND SHACKS

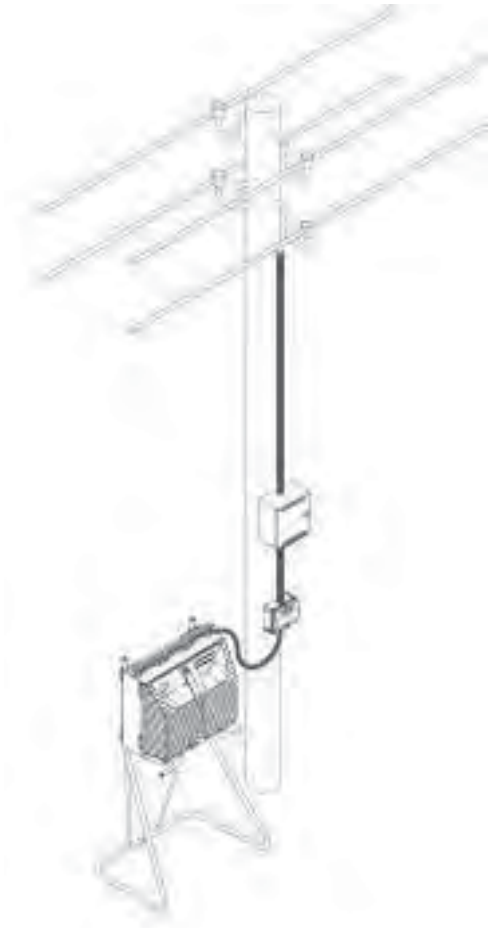
Inlet distribution boards



ENERGYBOX SERIES
ACS building site inlet distribution boards complete with main switch, automatic and RCB
to protect the power supply line
IP65

External dimensions (mm)	Miniature circuit breaker differential type	Distributable power (max) kW	Palazzoli code	Pack Q.ty
250x158	4P 32A Pdi 6kA Id 30mA	18	**611032**	1
250x158	4P 63A Pdi 6kA Id 300mA	35	**611063**	1
250x158	4P 100A Pdi 6kA Id 300mA	55	**611100**	1
250x158	4P 125A Pdi 6kA Id 300mA	70	**611125**	1

Uses:
distribution board to be installed at the downstream of the energy indicator Portects the line that goes from the general building site delivery distribution board.
Equipment:
distribution board with lockable door.



Direct output distribution boards



ENERGYBOX SERIES
ACS building site distribution boards with thermoplastic **direct output**, **with automatic** RCB protection, complete with stand and cabinet
IP65

General circuit breaker A/kW	Magnetothermic circuit breakers 230V 2P 16A	230V 2P 25A	400V 4P 16A	400V 4P 32A	400V 4P 63A	Palazzoli code	Pack Q.ty
63/40	2		2	1		**675101**	1
80/50	2		1	2		**675102**	1
125/78			2	2	2	**676101**	1
125/78				4	2	**676102**	1
100/62	2		1	4		**677101**	1
125/78		2		3	2	**677102**	1
100/62	3		1	4		**678101**	1
125/78		3		3	2	**678102**	1

Dimensions page 411

Main distribution boards



ENERGYBOX SERIES
ACS building site thermoplastic distribution boards
with interlocked **socket-outlets protected by circuit breaker**, complete with stand and cabinet
IP65

IG A/kW	Interlocked socket-outlets 16A 2P+⏚ 230V	16A 3P+⏚ 400V	32A 3P+⏚ 400V	32A 3P+N+⏚ 400V	63A 3P+⏚ 400V	63A 3P+N+⏚ 400V	Palazzoli code
63/30	3	1	1				**675001**
100/60	1	2	1	1			**675002**
100/50	3	2	1				**676001**
100/50	3	2		1			**676002**
100/50	2	3		1			**676003**
100/60	2	2	2				**676004**
100/60	3	2	2				**677001**
100/60	2	2	3				**677002**
200/100	2	2	2			1	**677003**
100/60	2	2		3			**677004**
200/100	3	2	2			1	**678001**
200/100	2	2		2	1	1	**678002**

Main distribution boards



ENERGYBOX SERIES
ACS building site thermoplastic distribution boards in thermoplastic material, with interlocked **socket-outlets with fuses**, complete with stand and cabinet
IP65

IG A/kW	Interlocked socket-outlets 16A 2P+⏚ 230V	16A 3P+⏚ 400V	32A 3P+⏚ 400V	32A 3P+N+⏚ 400V	63A 3P+⏚ 400V	63A 3P+N+⏚ 400V	Palazzoli code
63/100	3	1	1				**685001**
100/60	1	2	1	1			**685002**
100/50	3	2	1				**686001**
100/50	3	2			1		**686002**
100/50	2	3		1			**686003**
100/60	2	2	2				**686004**
100/60	3	2	2				**687001**
100/60	2	2	3				**687002**
200/100	2	2	2			1	**687003**
100/60	2	2		3			**687004**
200/100	3	2	2			1	**688001**
200/100	2	2		2	1	1	**688002**



ENERGYBOX SERIES
Painted and zinc-plated steel stand cabinet

Dimensions (mm)	Palazzoli code	Pack Q.ty
1250x1685x565	**500885**	1

Characteristics:
it is used for making ACS distribution boards in combination with the topTER series interlocked socket-outlets.

Dimensions page 411

BUILDING SITE ACS DISTRIBUTION BOARDS

Direct output distribution boards



TAIS SERIES
ACS building site distribution boards in thermosetting (GRP) with **direct output**, with automatic RCB protection, complete with stand and rain cover
IP65

General circ. break. A/kW	Circuit breakers 400V 4P 16A	25A	32A	63A	Palazzoli code	Pack Q.ty
100/60		1	4		**500890**	1
200/120		1	3	1	**500891**	1
200/120		1	4	1	**500892**	1
250/150		1	2	3	**500893**	1
200/120	1	2	3	1	**500894**	1
250/150		2	3	2	**500895**	1
200/120	1	3	3	1	**500896**	1
250/150		3	3	2	**500897**	1

Main distribution boards



TAIS SERIES
ACS building site in thermosetting (GRP) with **interlocked socket-outlets with cicuit breaker**, complete with stand and cabinet
IP65

IG A/kW	Interlocked socket-outlets 16A 2P+⏚ 230V	16A 3P+⏚ 400V	16A 3P+N+⏚ 400V	32A 3P+⏚ 230V	32A 3P+N+⏚ 400V	63A 3P+N+⏚ 400V	Transf. 16A 2P 24V 400V	Palazzoli code	Pack Q.ty
63/35	3	1			1			**500770**	1
63/35	2	2		1				**500767**	1
63/35	2	2			1			**500766**	1
63/35	2		2		1			**500768**	1
63/35	4	2						**500762**	1
63/35	3	1		1				**500753**	1
100/50	2	2		2				**500817**	1
100/50	2	2			2			**500816**	1
63/35	2	2			1		1	**500750**	1
100/50	2			4			1	**500792**	1
100/50	2	2		3				**500802**	1
100/50	2	2		2			1	**500800**	1
100/50	2	2			3			**500801**	1
100/50	2			2	2		1	**500790**	1
100/50	2	2			2		1	**500843**	1
200/100	2	2		2		1	1	**500841**	1
200/100	2	2			2	1	1	**500840**	1
200/100	3	3		2				**500835**	1
200/100	3	3			2	1		**500833**	1
200/100	2	2		2		1	2	**500831**	1
200/100	2	2			2	1	2	**500830**	1

Characteristics:
mushroom head emergency button and warning light.
Iron stand, fastening plate and stainless steel rain cover.
Voltage signal lamp.
Complementary items:
junction enclosures on page 111.

Dimensions page 411

Main distribution boards



TAIS SERIES
ACS building site thermosetting (GRP) distribution boards with interlocked **socket-outlets with fuses**, complete with stand and cabinet
IP65

IG A/kW	Interlocked socket-outlets 16A 2P+⏚ 230V	16A 3P+⏚ 400V	32A 3P+⏚ 230V	32A 3P+N+⏚ 400V	63A 3P+⏚ 400V	63A 3P+N+⏚ 400V	Transf. 16A 24V 2P 400V	Palazzoli code	Pack Q.ty
63/35	3	2						**500874**	1
63/35	3	1	1					**500863**	1
63/35	2	3						**500872**	1
63/35	2	2	1					**500860**	1
63/35	2	2		1				**500861**	1
100/50	2				2		2	**500918**	1
100/50	3	3		2				**500916**	1
100/50	3	2	2				1	**500903**	1
100/50	3	2		2			1	**500904**	1
100/50	2	2	2				2	**500900**	1
200/100	3	3		2		1		**500949**	1
200/100	4	2	2		1		1	**500941**	1
200/100	4	2		2		1	1	**500943**	1

Characteristics:
mushroom head emergency button and warning light.
Iron stand, fastening plate and stainless steel rain cover.
Voltage signal lamp.
Complementary items:
junction enclosures on page 111.



TAIS SERIES
ACS building site thermosetting (GRP) distribution boards with 11 interlocked **socket-outlets with fuses**,complete with stand and rain cover
IP65

Interlocked socket-outlets 16A 2P+⏚ 230V	16A 3P+⏚ 400V	16A 3P+N+⏚ 400V	32A 3P+⏚ 400V	32A 3P+N+⏚ 400V	63A 3P+⏚ 400V	63A 3P+N+⏚ 400V	Transf. socket-outlet 16A 2P 24V 144VA	Palazzoli code	Pack Q.ty
4	2		2		1		2	**500930**	1
4	4		2		1			**500933**	1
4	4			2		1		**500934**	1
4	4		2			1		**500935**	1
4	2	2		2		1		**500936**	1

Characteristics:
main rotary switch with In=200A (100kW) fuses, mushroom head emergency button and warning light. Iron stand, fastening plate and stainless steel rain cover. Voltage signal lamp.
Complementary items:
junction enclosures on page 111.



TAIS SERIES
Watertight thermosetting (GRP) junction enclosures with terminal block and canopy for fixing to the stand, for installing sets of distribution boards - IP65

Enclosure dimensions (mm)	For distr. boards type	Poles/sections terminals	No. entries	Entry type	Palazzoli code	Pack Q.ty
185x185	MT1/FS1	4x25mm²	3	Pg36	**500601**	1
250x250	MT2/FS2	4x70mm²	3	Pg42	**500602**	1
370x500	MT3/FS3	4x200mm²	3	Pg48	**500603**	1

Equipment:
with rain cover, cable glands and terminal block.
Uses:
it is fixed in its housing at the back of the stand. Ideal for distributing heavy loads.



TAIS SERIES
Frames with stand with plate and rain cover in stainless steel AISI 304

Dimensions (mm)	Frame type	Weight (kg)	Palazzoli code	Pack Q.ty
803x1335x565	FS1	38	**501500** ✦	1
1118x1335x565	MT1	58	**501501** ✦	1
1313x1335x565	MT2/FS2	51	**501502** ✦	1
1853x1685x748	MT3/FS3	93	**501503** ✦	1

✦ Supplied on request.

Characteristics:
it is used for making ACS distribution boards in combination with TAIS and ALUPRES series interlocked socket-outlets.

Dimensions page 411

Surface/zone distribution boards



ENERGYBOX SERIES
ACS building site surface/zone distribution board in thermoplastic material, with **fixed socket-outlets**, protection with **circuit breaker entry** with **terminal block** complete with cabinet
IP65

General socket-outlet A/kW	Industrial socket-outlets 16A 2P+⏚ 230V	16A 3P+⏚ 400V	16A 3P+N+⏚ 400V	2P+⏚ P30/P17 10/16A	Palazzoli code	Pack Q.ty
63/20	12				**610012**	1
63/40	6	6			**610606**	1



ENERGYBOX SERIES
ACS building site surface/zone distribution board in thermoplastic material, with **interlocked socket-outlets** with **circuit breaker, entry** with **terminal block** complete with cabinet
IP65

IG A/kW	Interlocked socket-outlets 16A 2P+⏚ 230V	16A 3P+⏚ 400V	16A 3P+N+⏚ 400V	32A 3P+⏚ 400V	32A 3P+N+⏚ 400V	63A 3P+⏚ 400V	2P+⏚ P30/P17 10/16A	Palazzoli code
32/7	4							**614101**
32/16	3	1						**614102**
32/20	3			1				**614103**
32/20	2	2						**614104**
32/20	2	1	1					**614105**
32/20	2	1		1				**614106**
32/20	1	2		1				**614107**
63/30	3	1		1				**615101**
63/30	3	1			1			**615102**
63/30	2	3						**615103**
63/30	2	2		1				**615104**
63/30	2	2			1			**615105**
63/30	2	1		1		1		**615106**
63/30	2	1	1		1			**615107**
63/30	4	2						**616101**
63/30	3	3						**616102**
63/30	3	2		1				**616103**
63/30	3	2			1			**616104**
63/40	2	3		1				**616105**
63/40	2	2		2				**616106**
63/40	2		2		2			**616107**
63/40	2	2		1	1			**616108**
63/30	2	3					1	**616109**
63/30	2	2			1		1	**616110**

Characteristics: the codes 616109 and 616110 are IP55.

Surface/zone distribution boards



ENERGYBOX SERIES
ACS building site surface/zone distribution board in thermoplastic material, with **fixed socket-outlets** with **circuit breaker entry** with **socket-outlet** complete with cabinet
IP65

IG A/kW	Interlocked socket-outlets 16A 2P+⏚ 230V	16A 3P+⏚ 400V	16A 3P+N+⏚ 400V	32A 3P+⏚ 400V	32A 3P+N+⏚ 400V	63A 3P+⏚ 400V	Palazzoli code	Pack Q.ty
32/7	4						**614001**	1
32/16	3	1					**614002**	1
32/20	2	2					**614003**	1
32/20	2	1	1				**614004**	1
32/20	2	1		1			**614005**	1
63/30	3	1		1			**615001**	1
63/30	3	1			1		**615002**	1
63/30	2	2		1			**615003**	1
63/30	2	1		1		1	**615004**	1
63/30	2	1	1		1		**615005**	1
63/30	4	2					**616001**	1
63/30	3	3					**616002**	1
63/30	3	2		1			**616003**	1
63/30	3	2			1		**616004**	1
63/30	3		2		1		**616005**	1
63/40	2	3		1			**616006**	1
63/40	2	2		2			**616007**	1
63/40	2		2		2		**616008**	1
63/40	2	2		1	1		**616009**	1

Equipment:
emergency stop device. 4 brackets for Ø 30 mm conduit installation and 4 plates for wall installation.

Dimensions page 411

Surface/zone distribution boards



ENERGYBOX SERIES
ACS building site surface/zone distribution board in thermoplastic material, with interlocked socket-outlets **with fuses**, **entry** with **terminal block** complete with cabinets
IP65

IG A/kW	Interlocked socket-outlets 16A 2P+⏚ 230V	16A 3P+⏚ 400V	16A 3P+N+⏚ 400V	32A 2P+⏚ 230V	32A 3P+⏚ 400V	32A 3P+N+⏚ 400V	63A 3P+⏚ 400V	63A 3P+N+⏚ 400V	Palazzoli code
32/7	4								**604101**
32/16	3	1							**604102**
32/20	3			1					**604103**
32/20	3				1				**604104**
32/20	2	2							**604105**
32/20	2	1	1						**604106**
32/20	2	1			1				**604107**
32/20	1	2			1				**604108**
63/30	3	1			1				**605101**
63/30	3	1				1			**605102**
63/30	2	3							**605103**
63/30	2	2			1				**605104**
63/30	2	2				1			**605105**
63/30	2	1	1			1			**605106**
80/45	2	1			1		1		**605107**
80/45	2		1			1		1	**605108**
63/30	4	2							**606101**
63/30	3	3							**606102**
63/30	3	2			1				**606103**
63/30	3	2				1			**606104**
63/40	2	3			1				**606105**
63/40	2	2			2				**606106**
63/40	2		2			2			**606107**
63/40	2	2			1	1			**606108**

Equipment:
emergency stop device. 4 brackets for Ø 30 mm pipe installation and 4 plates for wall installation.

Surface/zone distribution boards



TAIS SERIES
ACS building site distribution boards with 3 socket-outlets with **MCB** and mechanical interlock in **thermosetting (GRP) material**, wall mounted
22kW - IP65

Interlocked socket-outlets 16A 2P+⏚ 230V	16A 3P+⏚ 400V	16A 3P+N+⏚ 400V	Palazzoli code	Pack Q.ty
2	1		**500700**	1
2		1	**500701**	1



TAIS SERIES
ACS building site distribution boards with 3 socket-outlets **with MCB** and mechanical interlock in **thermosetting (GRP) material**, wall-mounted
35kW - IP65

Interlocked socket-outlets 16A 2P+⏚ 230V	16A 3P+⏚ 400V	32A 3P+⏚ 400V	32A 3P+N+⏚ 400V	Palazzoli Code	Pack Q.ty
1	1		1	**500711**	1
2		1		**500714**	1



TAIS SERIES
ACS building site distribution boards with 5 socket-outlets with **MCB** and mechanical interlock in **thermosetting (GRP) material**, wall mounted
35kW - IP65

Interlocked socket-outlets 16A 2P+⏚ 230V	16A 3P+⏚ 400V	16A 3P+N+⏚ 400V	32A 3P+⏚ 400V	32A 3P+N+⏚ 400V	Palazzoli code	Pack Q.ty
2	2			1	**500722**	1
2	2		1		**500723**	1
3	1			1	**500726**	1
3		1		1	**500727**	1

Characteristics:
main circuit breaker In=63A (35kW), mushroom head emergency button and warning light. Internal and external protection circuit Voltage signal lamp.

Dimensions page 411



ENERGYBOX SERIES
Pre-assembled kit for
ACS building distribution boards
max 5 topTER interlocked
socket-outlets with RCD:
4 of 16 and/or 32A (max)
1 of 16 and/or 63A (max)

External dimensions (mm)	No. modules EN50022	Palazzoli code	Pack Q.ty
680x552x340	5+12	**601563**	1

Consists of:
1 bi-component technopolymer cabinet complete with carrying handles and cable winder;
1 flanged watertight distribution board for 2 interlocked 16/32A socket-outlets;
1 emergency button complete with voltage signalling light;
1 flanged watertight distribution board with 5 DIN modules door for 1 interlocked 63A socket-outlets;
1 flanged watertight distribution board with 12 DIN modules door for 2 interlocked 16/32A socket-outlets;
1 M40 cable gland for main power cable entry;
Earth terminal

Protections (not included):
Main MCB 100A 4P 6kA and remote actuators;
RCCB 80A 4P Id=30mA (AC class);
Connect the 63A socket-outlet at the downstream of the general.
Connect the 16A and 32A socket-outlets below the 30mA RCD.

Additional protections for outlets with socket-outlets without fuse-holder base:

Socket-outlet	Protection
2P+⏚	1P+N 6kA CURVE C 16A
3P+⏚	3P 6kA CURVE C 16A
3P+N+⏚	4P 6kA CURVE C 16A

Detailed electrical diagrams on the website www.palazzoli.com
Guide to the predefined construction system on page 392.

Complementary items:
topTER 16A and 32A interlocked socket-outlets from page 56.
topTER 63A interlocked socket-outlets on page 63.



ENERGYBOX SERIES
Pre-assembled kit for
ACS building distribution boards
max 6 topTER interlocked
socket-outlets with RCD:
6 of 16 and/or 32A (max)

External dimensions (mm)	No. modules EN50022	Palazzoli code	Pack Q.ty
680x552x340	9+9	**601532**	1

Consists of:
1 bi-component technopolymer cabinet complete with carrying handles and cable winder;
1 flanged watertight distribution board for 2 interlocked 16/32A socket-outlets;
1 emergency button complete with voltage signalling light;
2 flanged watertight distribution board with 9 DIN modules door for 2 interlocked 16/32A socket-outlets;
1 M40 cable gland for power cord entry;
Earth terminal

Protections (not included):
Main automatic circuit breaker with MCB 100A 4P 6kA and remote actuators;
RCCB 80A 4P Id=30mA (AC class);
Connect the 16A and 32A socket-outlet at the downstream of the 30mA differential.

Additional protections for outlets with socket-outlets without fuse-holder base:

Socket-outlet	Protection
2P+⏚	1P+N 6kA CURVE C 16A
3P+⏚	3P 6kA CURVE C 16A
3P+N+⏚	4P 6kA CURVE C 16A

Detailed electrical diagrams on the website www.palazzoli.com
Guide to the predefined construction system on page 392.

Complementary items:
topTER 16A and 32A interlocked socket-outlets from page 56.

Dimensions page 411

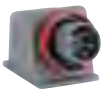
NOTE: predefined construction system on page 392÷393

COMPONENTS FOR THE COMPOSITION OF ACS DISTRIBUTION BOARDS PRIMA SERIES WITH INTERLOCKED SOCKET-OUTLETS



501530

Plug or cable power supply

501590	Cable gland M40 with gasket in elastomer and locknut	
501591	Cable gland with gasket in elastomer and locknut and emergency button kit external to the distribution board	
501595	Industrial wall-mounted 63A 3P+N+⏚ fixed plug	

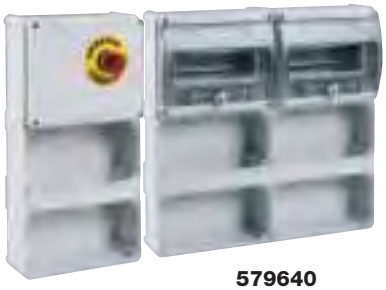
6 socket outlet 27 DIN (9+9) modules ACS distribution boards



579640

579620

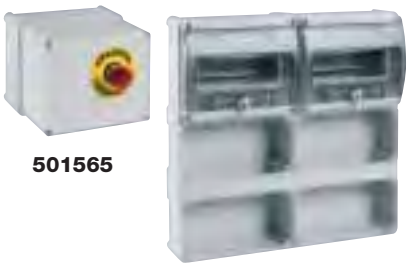
6 socket outlet 18 DIN (9+9) modules ACS distribution



579640

501560 + 579621

4 socket outlet 18 DIN (9+9) modules ACS distribution boards



501565

579640

580240 Side coupling fitting distribution boards



The most widelty used PRIMA interlocked socket-outlets

PRIMA SERIES
Compact horizontal watertight interlocked socket-outlets for installation on distribution boards
IP55



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	230V	blue	2P+⏚	6	**495126**	1
	50-60Hz	400V	red	3P+⏚	6	**495136**	1
	50-60Hz	400V	red	3P+N+⏚	6	**495146**	1
32	50-60Hz	230V	blue	2P+⏚	6	**495226**	1
	50-60Hz	400V	red	3P+⏚	6	**495236**	1
	50-60Hz	400V	red	3P+N+⏚	6	**495246**	1

Note: other versions on page 48

ACS CONSTRUCTION SITE DISTRIBUTION BOARDS



ENERGYBOX SERIES
Empty ACS construction site distribution board for making wired distribution boards with up to 6 socket-outlets.

Description	Dimensions (mm)	Palazzoli code	Pack Q.ty
Empty distribution board	680X605X340	**501530**	1

Equipment:
4 brackets for Ø 30 mm pipe installation and 4 plates for wall installation.
Characteristics:
the enclosure is designed to house in input:
- Cable gland M40 code 501590;
- Enclosure with cable gland M40 and external emergency button code 501591;
- Industrial fixed plug



ENERGYBOX SERIES
distribution board input KIT
IP65

Description	Type	Palazzoli code	Pack Q.ty
Cable gland with gasket in elastomer and locknut	M40	**501590**	1
Cable gland with gasket in elastomer and locknut and emergency button kit external to the distribution board	M40	**501591**	1
Industrial wall-mounted fixed plug	63A 3P+N+⏚	**501595**	1



PRIMA SERIES
Cover with emergency push-button for Energybox distribution boards with 6 PRIMA socket-outlets
IP65

For Energybox distribution boards	Palazzoli code	Pack Q.ty
With 6 PRIMA series interlocked socket-outlets	**501560**	1

Characteristics: complete with signal lamp and 1 NA contact.



PRIMA SERIES
Cover with emergency push-button for Energybox distribution boards with 4 PRIMA socket-outlets
IP55

For Energybox distribution boards	Palazzoli code	Pack Q.ty
With 4 PRIMA series interlocked socket-outlets	**501565**	1

Characteristics: complete with signal lamp and 1 NA contact.



ENERGYBOX SERIES
Tubular floor support for ACS building site distribution boards

Manufacture material	Palazzoli code	Pack Q.ty
galvanised and painted steel	**501540**	1

Equipment: 4 brackets for Ø 30 mm pipe installation.



ENERGYBOX SERIES
Cord rewind for extension leads on ACS building site distribution boards

Manufacture material	Palazzoli code	Pack Q.ty
galvanised and painted steel	**501550**	1

Equipment: 2 brackets and screws for Ø 30 mm pipe installation

Dimensions page 411

PORTABLE DISTRIBUTION BOARDS



ENERGYBOX SERIES
ACS portable building site distribution boards
with 3 interlocked socket-outlets
in thermoplastic material
IP66

Industrial socket-outlets 16A 2P+⏚ 220V	Industrial socket-outlets 16A 3P+⏚ 380V	Plug type	Switch MT	Switch diff. 30mA	Palazzoli code	Pack Q.ty
3		2P+⏚ - 16A	2P - 16A	2P - 25A	**670030**	1
2	1	3P+N+⏚ - 16A	4P - 16A	4P - 16A	**670031**	1
1	2	3P+N+⏚ - 16A	4P - 16A	4P - 16A	**670032**	1

Equipment:
4 mt. lenght of cable H 07 RN-F connected to the plug. Stainless steel plates for fixing to the wall.



ENERGYBOX SERIES
Portable ACS construction site distribution board with 4 industrial socket-outlets
in thermoplastic material
IP66

Industrial socket-outlets 16A 2P+⏚ 220V	Industrial socket-outlets 16A 3P+⏚ 380V	Plug type	Switch type MT	Switch diff. 30mA	Palazzoli code	Pack Q.ty
4		2P+⏚ - 16A	2P -16A	2P - 25A	**670040**	1
3	1	3P+N+⏚ -16A	4P -16A	4P -25A	**670041**	1
2	2	3P+N+⏚ -16A	4P -16A	4P -25A	**670042**	1
	4	3P+N+⏚ -16A	4P -16A	4P -25A	**670043**	1



ENERGYBOX SERIES
Portable ACS construction site distribution boards with 6 industrial socket-outlets in thermoplastic material
IP66

Industrial socket-outlets 16A 2P+⏚ 220V	Industrial socket-outlets 16A 3P+⏚ 380V	Industrial socket-outlets 32A 3P+⏚ 380V	Plug type	Switch type MT	Switch differential 30mA	Palazzoli code	Pack Q.ty
4	2		3P+N+⏚ - 32A	4P - 32A	4P - 40A	**670060**	1
3	3		3P+N+⏚ - 32A	4P - 32A	4P - 40A	**670061**	1
3	2	1	3P+N+⏚ - 32A	4P - 32A	4P - 40A	**670062**	1
6			3P+N+⏚ - 32A	4P - 32A	4P - 40A	**670063**	1

Equipment:
4 mt. lenght of cable H 07 RN-F connected to the plug. Insulated handle for transport. Stainless steel plates for fixing to the wall.

TRANSFORMATION DISTRIBUTION BOARDS



ENERGYBOX SERIES
ACS transformation building site distribution board in thermoplastic material
IP66

With transformer 2P 24V 150VA	Industrial 2P+T 230V	MCB differential	Palazzoli code	Pack Q.ty
2	2	2P 16A	**670130**	1
2		2P 16A	**670140**	1

Equipment:
self-protected safety transformer, 4 m of cable H 07 RN-F connected to the plug, insulating handle for transport.
Uses:
essential in restricted conductor areas such as ditches, wells, fire places, cisterns and metal or humid tunnels, restrict excavations in the ground.



ENERGYBOX SERIES
Support for portable ACS building site distribution boards

Manufacture material	Palazzoli code	Pack Q.ty
stainless steel	**570010**	1

Equipment:
4 stainless steel screws for fastening to distribution board.

Distribution boards, watertight junction boxes and terminal blocks





TAIS TRE 122

In thermosetting (GRP) material IP66



PH 124

In thermoplastic material IP65



TAIS-MIGNON 124

In thermosetting (GRP) material IP65



TAIS

In thermosetting (GRP) material IP67.....126
In thermosetting (GRP) material IP68.....126



ALUPRES 127

In aluminium alloy IP54/IP67



CONTACT 129

Terminal blocks



TAIS TRE Series

Rapid wiring

Watertight distribution boards IP66 in thermosetting (GRP) material

IP66
water proof

TECHNIQUE

The new TAIS TRE distribution board range in thermosetting (GRP) material is designed and built to withstand high temperature in total safety. The special resin in this material, in fact, does not burn, it does not emit toxic fumes and, if there is a short circuit, there is no flame propagation outside the board. TAIS TRE is not only fireproof but it is also waterproof and guarantees resistance against humidity and water. The TAIS TRE range offers seven sizes, available in versions with blind or windowed dooe, all equipped with installable and fixable frame and with removable panels with snap fixing. For both versions, when the door is closed, the IP66 insulation is guaranteed, protected against strong water jets as well. It is possible to insert a door block with a particular profile capable of keeping a wide distance from the door, and it is installable on two different positions.

The distribution board is protected against refrigerating liquids, lubricant oils and hydraulic fluids. The TAIS TRE distribution board compartments are impenetrable to dust, vapours, liquids or gas. On the distribution board bottom, it is possible to make a condensation drainage hole. The holes for the mounting and fixing of the distribution board on the machine or wall are designed not to compromise the enclosure's IP rating.

The access to the components is guaranteed by the front of the distribution board, without accessing them from the back for wiring, dewiring, mounting, demounting, regulation, maintenance or other operations.

THE ADVANTAGES



ANTI-CORROSION IMMUNITY

The material used by Palazzoli is a combination of a thermosetting (GRP) resin base with reinforced fibres and cells (GRP glass reinforced plastic). The same material is used in the aeronautic sector.



RELIABILITY AND DURATION

The flame proof TAIS TRE distribution boards in THERMOSETTING (GRP) MATERIAL are designed and built to withstand high temperatures. Have a V0 self-estinguishing feature and do not emit toxic fumes. Excellent performance in presence of ozone, atmospheric agents and UV rays.



EASY TO ASSEMBLE

All you need is one screwdriver to assemble and disassemble the various components.

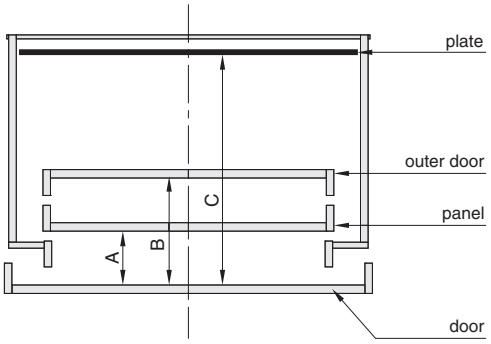
THE DISTRIBUTION BOARD SYSTEM
IN THERMOSETTING (GRP) MATERIAL IP66

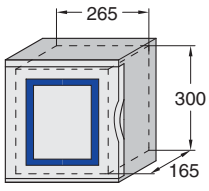




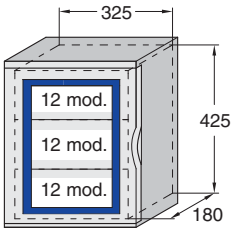

Size:	No. vertical modules	No. DIN modules	External dimensions			Internal dimensions			Blind distribution board	Distribution board with porthole	Windowless panel	Blind panel
			L (mm)	H (mm)	P (mm)	L (mm)	H (mm)	P (mm)				
1	-	-	265	300	165	213	251	146	530001	530031	-	-
2	3	36 (3x12)	325	425	180	272	376	162	530002	530032	530520	530540
3	3	54 (3x18)	430	500	210	380	451	189	530003	530033	530521	530541
4	4	72 (4x18)	430	650	210	380	601	189	530004	530034	530521	530541
5	4	96 (4x24)	540	650	260	488	601	243	530005	530035	530522	530542
6	5	140 (5x28)	615	805	315	560	751	297	530006	530036	530523	530543
7	5	190 (5x38)	810	1060	355	-	-	-	530007	530037	530524	530544

Distance between blind door and panels A (mm)	Distance between blind door and door block B (mm)	Distance between blind door and plate C (mm)	Distance between porthole door and plate C (mm)
-	-	138	135
40-67	44/74	154	151
40-67-94	44/74	181	178
40-67-94	44/74	181	178
40-67-94-121-148	44/74	236	233
40-67-94-121 148-175-202	44/74	290	287

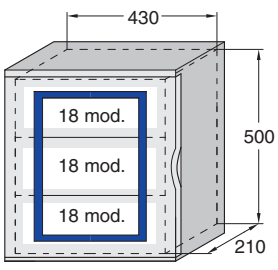




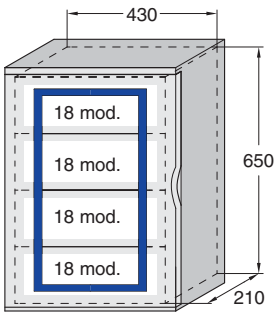
SIZE 1



SIZE 2



SIZE 3



SIZE 4



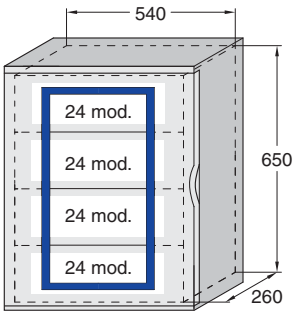




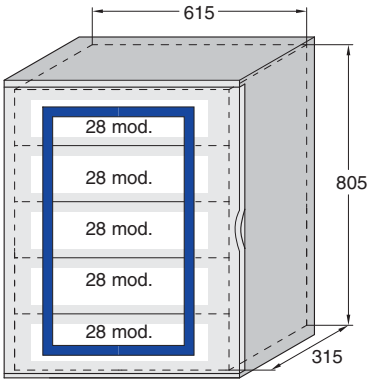




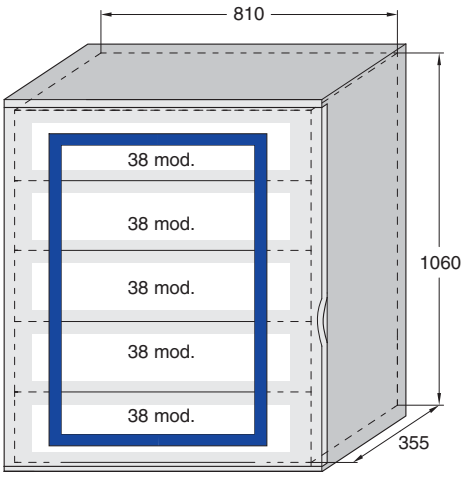
Blind double panel	Door block	Insulating support plate	Insulating plate	DIN rail	Supports		Insulating brackets		Safety lock
							galvanised	stainless	
-	-	530601	530621	-	-	-	530640	530641	530680
530550	530501	530602	530622	530580	530560	530660	530640	530641	530680
530551	530502	530603	530623	530581	530561	530660	530640	530641	530680
530551	530503	530604	530624	530581	530562	530660	530640	530641	530680
530552	530504	530605	530625	530582	530562	530660	530640	530641	530680
530553	530505	530606	530626	530583	530563	530660	530640	530641	530680
530554	530506	530607	-	530584	530564	530660	530640	530641	530680



SIZE 5



SIZE 6



SIZE 7

DISTRIBUTION BOARDS IN THERMOSETTING (GRP) MATERIAL IP66

TAIS TRE series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 50298 CEI 23-51	CEI 23-48 CEI EN 60439-1	CEI 23-49
Rated operating voltage:	up to 440V		
Protection rating:	IP66		
Impact resistance:	> IK 10		
Glow wire test:	960°C blind door / 650°C porthole door		
Self-extinguishing grade:	V0		
Insulation:	double ⧈		-25°C - +60°C
Temperature resistance:	Operating:		-30°C - +70°C
	Storage:		-40°C - +100°C
Homologations:	IMQ		



TAIS TRE SERIES
TAIS TRE watertight distribution boards in thermosetting (GRP) material with **blind door** equipped with lock
IP66 - ⧈

Measure	External dimensions (mm)	Dispersable wattage (W) P1	P2	Palazzoli code	Pack Q.ty
1	265x300x165	-	34	**530001**	1
2	325x425x180	35	61	**530002**	1
3	430x500x210	72	111	**530003**	1
4	430x650x210	81	122	**530004**	1
5	540x650x260	93	132	**530005**	1
6	615x805x315	136	215	**530006**	1
7	810x1060x355	342	232	**530007**	1

P1: configuration of the board with DIN rails and windowless panels (DIN rails are 48 mm from the windowless panel)

P2: configuration of the board with mounting plate (at the lowest position).

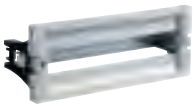
Equipment: Standard key, double-insulation screw head caps, prefitted rails for sliding and fastening of frames, self-adhesive CEI 23-51 Standard label.



TAIS TRE SERIES
TAIS TRE watertight boards in thermosetting (GRP) materlal with transparent porthole **door** and lock
IP66 - ⧈

Measure	External dimensions (mm)	No. modules EN50022	Dispersable wattage (W) P1	P2	Palazzoli code	Pack Q.ty
1	265x300x165	-	-	34	**530031**	1
2	325x425x180	36 (3x12)	35	61	**530032**	1
3	430x500x210	54 (3x18)	72	111	**530033**	1
4	430x650x210	72 (4x18)	81	122	**530034**	1
5	540x650x260	96 (4x24)	93	132	**530035**	1
6	615x805x315	140 (5x28)	136	215	**530036**	1
7	810x1060x355	190 (5x38)	342	232	**530037**	1

Equipment: Standard key, double-insulation screw head caps, prefitted rails for sliding and fastening of frames, self-adhesive CEI 23-51 Standard label.



TAIS TRE SERIES
Front windowless panel cover

Measure	For distribution boards with dimensions (mm)	No. modules EN50022	Palazzoli code	Pack Q.ty
2	325x425	12	**530520**	12
3,4	430x500 and 430x650	18	**530521**	12
5	540x650	24	**530522**	6
6	615x805	28	**530523**	6
7	810x1060	38	**530524**	2

Equipment: EN50022 rail, side fittings for click-on connections.
Characteristics: direct fastening on the internal board walls without support. The rail bearing structure allows you to use different sized equipment by simply adjusting the central screw.



TAIS TRE SERIES
Blind front panel cover 1 module

Measure	For distribution boards with dimensions (mm)	Palazzoli code	Pack Q.ty
2	325x425	**530540**	12
3,4	430x500 and 430x650	**530541**	12
5	540x650	**530542**	6
6	615x805	**530543**	6
7	810x1060	**530544**	2



TAIS TRE SERIES
Blind front panel cover 2 modules

Measure	For distribution boards with dimensions (mm)	Palazzoli code	Pack Q.ty
2	325x425	**530550**	6
3,4	430x500 e 430x650	**530551**	6
5	540x650	**530552**	3
6	615x805	**530553**	3
7	810x1060	**530554**	2

Equipment: side fittings for click-on connections
Characteristics: direct fastening on the internal board walls without support.



TAIS TRE SERIES
Hinged door block in thermosetting (GRP) material for assembly on automation devices

Measure	For distribution boards with dimensions (mm)	Palazzoli code	Pack Q.ty
2	325x425	**530501**	5
3	430x500	**530502**	5
4	430x650	**530503**	5
5	540x650	**530504**	1
6	615x805	**530505**	1
7	810x1060	**530506**	1

Equipment: ergonomic handle.

Product specifications page 122
Quick selection tables page 120÷121
Dimensions page 410



TAIS TRE SERIES
Steel mounting plate
with anti-corrosion treatment for assembly of non-modular devices

Measure	For distribution boards with dimensions (mm)	Palazzoli code	Pack Q.ty
1	265x300	**530601**	5
2	325x425	**530602**	5
3	430x500	**530603**	5
4	430x650	**530604**	5
5	540x650	**530605**	4
6	615x805	**530606**	1
7	810x1060	**530607**	1

Characteristics: the base plate can be fitted on the bottom or at different heights due to the sliding parts code 530660.
Uses: when installing non-modular devices.

TAIS TRE SERIES
Mounting plate in insulating material for assembly of non-modular devices

Measure	For distribution boards with dimensions (mm)	Palazzoli code	Pack Q.ty
1	265x300	**530621**	5
2	325x425	**530622**	5
3	430x500	**530623**	5
4	430x650	**530624**	5
5	540x650	**530625**	4
6	615x805	**530626**	1

Characteristics: the mounting plate can be fitted on the bottom to guarantee insulation of the installed equipment
Uses: when installing non-modular devices.

TAIS TRE SERIES
EN 50022 Rail



Measure	For distribution boards with dimensions (mm)	No. modules EN50022	Palazzoli code	Pack Q.ty
2	325x425	12	**530580**	8
3,4	430x500 and 430x650	18	**530581**	8
5	540x650	24	**530582**	8
6	615x805	28	**530583**	8
7	810x1060	38	**530584**	8

Equipment: sliding parts for direct fastening on the internal board walls.
Characteristics: Maximum choice on where to position the DIN rails.



TAIS TRE SERIES
Couple of supports for installation of technical components
of the modular devices

Measure	For distribution boards with dimensions (mm)	Palazzoli code	Pack Q.ty
2	325x425	**530560**	5
3	430x500	**530561**	5
4,5	430x650 and 540x650	**530562**	5
6	615x805	**530563**	5
7	810x1060	**530564**	5

Uses: allow you to perform wiring operations outside the board.
Equipment: screws to fasten the DIN rail bearing structure of the windowless panel and blind panels.



TAIS TRE SERIES
Couple of sliding accessories to fasten the metal mounting plates

Measure	For distribution boards with dimensions (mm)	Palazzoli code	Pack Q.ty
2÷7	325x425÷810x1060	**530660**	12

Characteristics: sizes 1 to 5 require 4 sliding parts, size 6 requires 6 sliding parts.
Uses: allow you to position the plate at different heights.



TAIS TRE SERIES
Set of 4 steel brackets for wall installation

Material	Palazzoli code	Pack Q.ty
Galvanised steel	**530640**	5
Stainless Steel	**530641**	5

Uses: allow you to mount the panel on the wall and maintain its double insulation.



TAIS TRE SERIES
Security lock
with handle

For distribution boards with dimensions (mm)	Palazzoli code	Pack Q.ty
tutte le dimensioni	**530680**	10

Equipment: 2 keys.

Product specifications page 122
Quick selection tables page 120÷121
Dimensions page 410

PH series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60529	IEC 60529
Protection rating:	IP65	
Impact resistance:	> IK 08	
Glow wire test:	750°C	
Self-extinguishing grade:	V2	
Insulation:	double ⧈	
Temperature resistance:	Operating:	-25°C - +50°C
	Storage:	-30°C - +70°C



PH SERIES
Watertight junction boxes with knockouts in thermoplastic material
IP65

External dimensions (mm)	Internal dimensions (mm)	No. entries	Palazzoli code	Pack Q.ty
88x88x53	63x70	7xM20	**791910**	5
98x98x58	73x78	7xM25	**791920**	5
139x119x70	128x86	6xM25/M32, 4xM25	**791930**	5
167x125x82	136x112	10xM25/M32	**791940**	5
200x160x98	168x145	10xM32/M40	**791950**	2
310x210x116	278x185	12xM25/M32, 4xM40/M50	**791960**	1

Equipment:
code 791910: 4 stepped glands M20; code 791920: 4 stepped glands M25
code 791930: 3 stepped glands M32; code 791940: 3 stepped glands M32
code 791950: 3 stepped glands M40
Characteristics:
stainless steel screws. Captive gaskets. Caps for insulating screws. The stepped glands give a maximum of IP54 protection rating. To achieve an IP65 protection rating, the special cable glands will need to be used.
Uses:
suitable for general use and ideal for watertight junctions of systems on show.
Complementary items:
terminal blocks on page 129, stepped glands and accessories on page 143.



topTER SERIES
Flush-mounted enclosure with blind walls
IP56

Internal dimensions (mm)	Palazzoli code	Pack Q.ty
236x145x76	**575505**	1

Complementary items: terminal blocks on page 129.

TAIS-MIGNON-TAIS series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60529	IEC 60529
Protection rating:	IP65 / IP67 / IP68	
Impact resistance:	> IK 10	
Glow wire test:	960°C	
Self-extinguishing grade:	V0	
Insulation:	double ⧈	
Temperature resistance:	Operating:	-40°C - +70°C
	Storage:	-50°C - +80°C



TAIS-MIGNON SERIES
Watertight wall-mounted modular junction boxes, in thermosetting (GRP) material
IP65

External dimensions (mm)	Hole type	Entry type	Palazzoli code	Pack Q.ty
62x80x38		1/2" gas (ø16/12mm)	**101021**	12
62x80x38		1/2" gas (ø16/12mm)	**101031**	10
62x80x38		1/2" gas (ø16/12mm)	**101041**	12
62x80x38		1/2" gas (ø16/12mm)	**101061**	12
77x102x48		1/2" gas (ø16/12mm)	**101151**	10
77x102x48		3/4" gas (ø20/16mm)	**101161**	1

Equipment:
cable glands with gaskets come in the same quantity as the no. of entries.
Characteristics:
stainless steel screws for fastening covers.
Complementary items:
terminal blocks on page 129.

Product specifications page 124
Dimensions page 412



TAIS-MIGNON SERIES
Watertight wall-mounted modular junction boxes, with increased internal capacity, in thermosetting (GRP) material
IP65

External dimensions (mm)	Hole type	Entry type	Palazzoli code	Pack Q.ty
62x80x46	1/2" 1/2"	1/2" gas (ø16/12mm)	**101022**	10
77x102x55	3/4" 3/4"	3/4" gas (ø20/16mm)	**101121**	8

Equipment:
cable glands with gaskets come in the same quantity as the number of entries.
Characteristics:
stainless steel screws for fastening covers.
Complementary items:
terminal blocks on page 129.



TAIS-MIGNON SERIES
Watertight wall-mounted modular box, in thermosetting (GRP) material
IP65

External dimensions (mm)	Hole type	Entry type	Palazzoli code	Pack Q.ty
125x77x55	3/4" 3/4"	3/4" gas (ø20/16mm)	**101081**	12

Equipment:
cable glands with gaskets come in the same quantity as the no. of entries.
Characteristics:
stainless steel screws for fastening covers. The modular dimensions allow battery combinations with watertight wall-mounting modular boxes.
Complementary items:
terminal blocks on page 129.



TAIS-MIGNON SERIES
Watertight wall-mounted modular junction boxes, with mantle terminals, in thermosetting (GRP) material
IP65

External dimensions (mm)	Hole type	Terminal block type	Entry type	Palazzoli code	Pack Q.ty
62x80x38	1/2" 1/2"	4x6 mm²	1/2" gas (ø16/12mm)	**101025**	12
62x80x38	1/2" 1/2" 1/2"	4x6 mm²	1/2" gas (ø16/12mm)	**101035**	10
62x80x38	1/2" 1/2" 1/2" 1/2"	4x6 mm²	1/2" gas (ø16/12mm)	**101045**	12
62x80x38	1/2" 1/2" 1/2" 1/2" 1/2"	5x6 mm²	1/2" gas (ø16/12mm)	**101156**	10
77x102x48	3/4" 3/4" 3/4" 3/4" 3/4"	5x6 mm²	3/4" gas (ø20/16mm)	**101157**	10

Equipment:
inclusive of 6 mm mantle terminals². Cable glands with gaskets come in the same quantity as the no. of entries.
Complementary items:
gas coupling fitting on page 149.



TAIS SERIES
Watertight wall-mounted enclosures with blind walls, low cover, in thermosetting (GRP) material
IP67

External dimensions (mm)	Box height (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
92x92	50	18	**532035**	5
125x92	50	18	**532045**	1
185x92	50	18	**532055**	1
125x125	75	25	**532116**	1
185x125	75	25	**532117**	1
250x125	75	25	**532118**	1

Characteristics:
covers with captive stainless steel screws.
Complementary items:
terminal block on page 129, cable glands on page 143.

Product specifications page 124
Dimensions page 412

WATERTIGHT JUNCTION BOXES



TAIS SERIES
Watertight wall-mounted enclosures with blind walls, high cover, in thermosetting (GRP) material
IP67

External dimensions (mm)	Box height (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
92x92	50	50	**532005**	1
125x92	50	50	**532006**	1
185x92	50	50	**532015**	1
125x125	75	50	**532016**	1
185x125	75	50	**532017**	1
250x125	75	50	**532018**	1

Characteristics:
covers with captive stainless steel screws. The height allows the control devices to be inserted.
Complementary items:
terminal block on page 129
cable glands on page 143.



TAIS SERIES
Watertight wall-mounted enclosures with blind walls, high cover, in thermosetting (GRP) material IP68

External dimensions (mm)	Box height (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
92x92	50	50	**538005**	1
125x92	50	50	**538006**	1
185x92	50	50	**538015**	1
125x125	75	50	**538016**	1
185x125	75	50	**538017**	1
250x125	75	50	**538018**	1

Characteristics:
covers with captive stainless steel screws.
The height allows the control devices to be inserted.
Complementary items:
terminal block on page 129
cable glands on page 143.



TAIS SERIES
Watertight wall-mounted enclosures with blind walls, low cover, in thermosetting (GRP) material IP68

External dimensions (mm)	Box height (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
92x92	50	18	**538035**	1
125x92	50	18	**538045**	1
185x92	50	18	**538055**	1
125x125	75	25	**538116**	1
185x125	75	25	**538117**	1
250x125	75	25	**538118**	1

Characteristics:
covers with captive stainless steel screws.
Complementary items:
terminal block on page 129, cable glands on page 143.



TAIS SERIES
Mounting plates in anti-corrosion tropicalized steel plate, for watertight enclosures.

For enclosures dimensions	For enclosures code	Palazzoli code	Pack Q.ty
125x125	532016, 532116, 532346, 538016 538116, 532016EX, 532116EX	**532716**	1
185x125	532017, 532117, 532667, 532677, 538017 538117, 532017EX, 532117EX, 532667EX	**532717**	1
250x125	532018, 532118, 532618, 532628 532638, 532648, 538018, 538118 532018EX, 532118EX, 532628EX	**532718**	1

Uses:
for fastening terminal blocks or non-modular fixtures.

Product specifications page 124
Dimensions page 412

ALUPRES Series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60529	IEC 60529
Protection rating:	IP67 / IP54	
Impact resistance:	>> IK 10	
Resistance	Operating	-40°C - +70°C
resistance:	Storage	-50°C - +80°C



RONDÒ SERIES
Wall-mounted junction boxes, in aluminium alloy
IP54

Internal diameter (mm)	Cable gland type	Palazzoli code	Pack Q.ty
ø 62	2x1/2”	**112020**	1
ø 62	3x1/2”	**112030**	10
ø 62	4x1/2”	**112040**	1
ø 82	2x3/4”	**113020**	1
ø 82	3x3/4”	**113030**	10
ø 82	4x3/4”	**113040**	1

Equipment:
earth screws inside and outside the box.
Complementary items:
junction terminal blocks: code 112094 for Ø 62mm boxes code 113094 for Ø 82mm boxes;



ALUPRES SERIES
Watertight enclosures in aluminium alloy with blind walls
IP67

External dimensions (mm)	Palazzoli code	Pack Q.ty
92x92x66	**150006**	1
125x125x73	**150016**	1
155x155x73	**150026**	1

Characteristics:
box with dimensions 155x155 IP55.
Equipment:
earth screws inside and outside the box.
Complementary items:
terminal blocks on page 129.

Product specifications page 127
Dimensions page 412



ALUPRES SERIES
Boxes with blind walls for watertight enclosures in aluminium alloy, with mounting plates in tropicalized steel plate
IP67

External dimensions (mm)	Palazzoli code	Pack Q.ty
92x92x42	**511110**	1
125x125x63	**511210**	5
185x125x63	**511220**	1
155x155x63	**521210**	1
185x185x95	**511310**	1
252x185x95	**511320**	1
315x252x140	**511420**	1

Equipment:
internal and external earth screws. Code 511110 without mounting plate.
Characteristics:
cover with dimensions 155x155 and larger IP55.
Complementary items:
terminal blocks on page 129.



ALUPRES SERIES
Low blind covers for watertight enclosures in aluminium alloy
IP67

For box with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
92x92	23	**515111**	1
125x125	10	**515200**	1
185x125	25	**515221**	1
155x155	10	**525200**	1
185x185	10	**515300**	1

Equipment:
inclusive of non-ageing gasket and captive stainless steel fixing screws.
Characteristics:
covers with dimensions 155x155 and larger IP55.



ALUPRES SERIES
High blind covers for watertight enclosures in aluminium alloy
IP67

For box with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
92x92	35	**515112**	1
125x125	50	**515214**	1
185x125	50	**515224**	1
185x185	50	**515313**	1
252x185	57	**515323**	1
315x252	53	**515423**	1

Equipment:
inclusive of non-ageing gasket and captive stainless steel fixing screws.
Characteristics:
the considerable height of the cover makes it ideal for containing enclosed switches. Covers with dimensions 155x155 and larger IP55.

Product specifications page 127
Dimensions page 414

TERMINAL BLOCKS

CONTACT series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60947-7-1
Flame resistance:	flat terminal blocks 850°C for 90'
Impact resistance:	>> IK 10
Small parts:	Captive stainless steel screws



CONTACT SERIES
Junction terminal blocks for watertight enclosures

Rated voltage	For enclosures with dimensions (mm)	No. poles for section	Enclosure material	Palazzoli code	Pack Q.ty
400V	92x92	4x6 mm²	Ceramic	**532725**	1
400V	92x92	4x6 mm²	Thermoplastic	**532735**	1
400V	92x125, 92x185 125x125, 125x185	4x6 mm²	Ceramic	**532745**	1
500V	92x185, 125x125 125x185	4x16 mm²	Ceramic	**532747**	1
500V	125x250	4x16 mm²	Ceramic	**532748**	1
500V	92x92	6x4 mm²	Thermosetting (GRP)	**532755**	1
400V	92x125, 92x185, 125x125, 125x185	6x6 mm²	Ceramic	**532765**	1
500V	125x250	6x16 mm²	Ceramic	**532768**	1

Characteristics:
the enclosure dimensions specified in the table refer to enclosures in thermosetting (GRP) material from the TAIS series as well as those in aluminium alloy from the ALUPRES series.
For codes 532747, 532748 and 532768 the section of 16 mm² is valid when using rigid cables otherwise it is 10 mm².
Complementary items:
TAIS series boxes from page 126
ALUPRES series boxes from page 127.



CONTACT SERIES
Terminal blocks for watertight boxes

Rated voltage	No. poles for section	For boxes code	Palazzoli code	Pack Q.ty
500V	4x50 mm²	791960	**791961**	1
500V	5x50 mm²	791960	**791971**	1

Characteristics:
with specific attachment for enclosures code 791960 PH series.



CONTACT SERIES
Junction terminal blocks for watertight boxes - 380V

No. poles for section	Palazzoli code	Pack Q.ty
4x6 mm²	**101096**	20

Characteristics:
they are fitted in the TAIS-MIGNON boxes with dim. 77x102 mm and 55x125 mm without using screws.
Complementary items:
TAIS-MIGNON boxes on page 124.



CONTACT SERIES
Insulated terminal blocks for watertight boxes

Rated voltage	No. poles for section	For boxes code	Palazzoli code	Pack Q.ty
500V	5x4 mm²	791910, 791920	**791911**	25
500V	5x6 mm²	791930	**791931**	15
500V	5x10 mm²	791940	**791941**	1
500V	5x25 mm²	791950	**791951**	2

Characteristics:
suitable for PH series boxes.
Complementary items:
PH series boxes on page 124.

Dimensions page 413



CONTACT SERIES
Junction terminal blocks for watertight boxes - 500V

No. poles for section	Palazzoli code	Pack Q.ty
4x6 mm²	**101095**	10

Characteristics:
they are fitted in the TAIS-MIGNON boxes with dim. 77x102 mm and 55x125 mm without using screws.
Complementary items:
TAIS-MIGNON boxes on page 124.



CONTACT SERIES
Junction terminal blocks with mantle terminals for junction boxes - 500V

No. poles for section	Palazzoli code	Pack Q.ty
4x6 mm²	**112094**	30
4x10 mm²	**113094**	20

Complementary items:
for aluminium junction boxes
code 112094 for Ø 62 mm boxes;
code 113094 for Ø 82 mm boxes;

Minimum and maximum values of the copper wire section suitable to the connection (extract from the standard CEI EN 60439-1)

Rated current (A)	Rigid wire section (mm²)		Flexible wire section (mm²)	
	min.	max	min.	max
16	1,5	4	1	4
32	2,5	10	1,5	6
40	4	16	2,5	10
63	6	25	6	16
100	16	50	16	35
125	25	70	25	50
160	35	95	35	70
200	50	120	50	95
250	70	150	70	120
315	95	240	95	185



CONTACT SERIES
Junction terminal blocks with mantle terminals for watertight enclosures - 400V

Rated voltage	For enclosures with dimensions (mm)	No. poles for section	Palazzoli code	Pack Q.ty
400V	92x92	4x16 mm²	**113194**	1

Characteristics:
steatite insulating support



CONTACT SERIES
Junction terminal blocks with flat terminals for watertight enclosures

Rated voltage	For enclosures with minimum dimensions (mm)	No. poles for section	Palazzoli code	Pack Q.ty
500V	92x92	3x16 mm²	**159030**	1
500V	125x125	3x25 mm²	**159032**	1
500V	155x155	3x40 mm²	**159033**	1
500V	185x185	3x70 mm²	**159034**	1
500V	220x220	3x125 mm²	**159035**	1
500V	295x295	3x200 mm²	**159036**	1
500V	373x373	3x315 mm²	**159037**	1
500V	125x125	4x16 mm²	**159040**	1
500V	155x155	4x25 mm²	**159042**	1
500V	185x185	4x40 mm²	**159043**	1
500V	220x220	4x70 mm²	**159044**	1
500V	295x295	4x125 mm²	**159045**	1
500V	373x373	4x200 mm²	**159046**	1

Characteristics:
they ensure “neat” wiring by easily identifying the different phases. The mantle terminals ensure secure fastening over time. The enclosure dimensions specified in the table are the minimum permitted.
Complementary items:
TAIS enclosures on page 126, page 131
ALUPRES enclosures on page 127÷128.

Dimensions page 413

MODULAR ENCLOSURES

TAIS series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60529	IEC 60529
Protection rating:	IP65/IP67	
Impact resistance:	> IK 10	
Glow wire test:	960°C	
Self-extinguishing grade:	V0	
Insulation:	double ⧈	
Temperature resistance:	Operating:	-40°C - +70°C
	Storage:	-50°C - +80°C



new

TAIS SERIES
Boxes for watertight enclosures in thermosetting (GRP) material, with mounting plates in tropicalized steel plate
IP67

Window finestre	Width (mm)	Height (mm)	Module installable socket-outlets	Palazzoli code	Pack Q.ty
blind walls	185	185	2x95	**531011**	1
	185	185	2x95	**531200**	1
	185	185	2x95	**531211**	1
	185	185	2x95	**531311**	1
	185	185	-	**531411**	1
blind walls	250	185	2x95/2x125	**531021**	1
	250	185	2x95/2x125	**531220**	1
	250	185	2x95	**531222**	1
	250	185	2x95/2x125	**531221**	1
Lightened / Lightened	250	185	-	**531231**	1

(to be contd.)

Window	Width (mm)	Height (mm)	Module installable socket-outlets	Palazzoli code	Pack Q.ty
	250	185	2x95	**531321**	1
	250	185	2x95/2x125	**531331**	1
	250	185	-	**531431**	1
blind walls	250	250	2x95/2x125	**531040**	1
	250	250	2x95/2x125	**531241**	1
Lightened / Lightened	250	250	-	**531240**	1
	250	250	2x95/2x125	**531340**	1
	250	250	-	**531440**	1
Lightened / Lightened	250	250	2x95/2x125	**531540**	1
Lightened	250	250	2x95/2x125	**531640**	1
blind walls	370	250	-	**531042**	1
Lightened / Lightened	370	250	-	**531242**	1
	370	250	-	**531442**	1
blind walls	500	370	-	**531062**	1
Lightened / Lightened	500	370	-	**531262**	1
	500	370	-	**531662**	1

Equipment:
free windows with gaskets in non-ageing elastomer. Screws and bolts for couplings or closing with flanges and mounting plate.
Characteristics:
they are used for making junction or distribution boards. Boxes with dimensions 250x250 and larger IP65.
Complementary items:
covers on page 132
terminal blocks on page 130.

Dimensions page 414



TAIS SERIES
Low blind covers for watertight enclosures in thermosetting (GRP) material
IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
185x185x115	25	**535320**	1
250x185x115	25	**535321**	1
250x250x115	25	**535322**	1
370x250x115	25	**535323**	1
500x370x115	25	**535324**	1

Equipment: complete with large captive screws and can be closed.
Characteristics: covers with dimensions 250x250 and larger IP65.



TAIS SERIES
High blind covers for watertight enclosures in thermosetting (GRP) material
IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
250x185x115	75	**535325**	1
250x250x115	75	**535326**	1
370x250x115	75	**535327**	1
500x370x115	75	**535328**	1

Equipment: complete with large captive screws and can be closed.
Characteristics: the considerable height allows encased switches to be inserted. Covers with dimensions 250x250 and larger IP65.



TAIS SERIES
Low transparent covers in polycarbonate for watertight enclosures
IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
250x185x115	25	**535126**	1
250x250x115	25	**535135**	1
370x250x115	25	**535137**	1
500x370x115	25	**535157**	1

Equipment: complete with large captive screws and can be closed.
Characteristics: in UV ray stabilised polycarbonate.
Covers with dimensions 250x250 and larger IP65.



TAIS SERIES
High transparent covers in polycarbonate for watertight enclosures
IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
250x185x115	75	**535131**	1
250x250x115	75	**535140**	1
370x250x115	75	**535142**	1
500x370x115	75	**535162**	1

Equipment: complete with large captive screws and can be closed.
Characteristics: in UV ray stabilised polycarbonate.
Covers with dimensions 250x250 and larger IP65.



TAIS SERIES
Covers in thermosetting (GRP) material with transparent door EN50022 rail and accessories for watertight enclosures IP65

For boxes with dimensions (mm)	No. modules EN50022	Cover height (mm)	Door height (mm)	Palazzoli code	Pack Q.ty
185x185x115	7,5	25	30	**535640**	1
250x185x115	11	25	30	**535643**	1

Equipment:
large captive screws and can be closed, EN50022 rail and small parts for fastening to plate.
Uses:
they are fastened onto the box and form a watertight enclosure IP67. They are suitable for housing modular devices for protection against overcurrents and indirect contacts.

Spare parts page 372
Dimensions page 414



TAIS SERIES
Flat blind flanges for watertight containers IP67

Type	Window dimensions (mm)	Flange height (mm)	Palazzoli code	Pack Q.ty
a	110x60	15	**538110**	2
b	175x60	15	**538210**	2
c	295x60	15	**538310**	1

Uses:
close the cable entry windows. Holes can be made for applying cable glands.
Complementary items:
cable glands on page 143.



TAIS SERIES
Raised blind flanges for watertight containers IP67

Type	Window dimensions (mm)	Flange height (mm)	Palazzoli code	Pack Q.ty
a	110x60	45	**538130**	2
b	175x60	45	**538230**	2
c	295x60	45	**538330**	1

Uses:
close the cable entry windows. Holes can be made for applying cable glands. The considerable height aids entry of large cables or pipes and facilitates cabling since the internal volume of the container is increased.
Complementary items:
cable glands on page 143.



TAIS SERIES
Power bar fittings for assembling on watertight enclosures

Installable on windows	Installable bars (mm)	Palazzoli code	Pack Q.ty
a	3 da 16x4 (16x5 - 20x4 - 20x5), 2 of 16x4 (earth and neutral), 3 of ø 9 (auxiliary circuits)	**538180**	1
b	3 of 25x5 (25x6 - 32x5 - 32x6), 2 of 16x4 (earth and neutral) 3 of ø 11 (auxiliary circuits)	**538280**	1
c	6 of 40x5 (40x8 - 50x5 - 50x8), 4 of 25x5 (25x6 - 32x5 - 32x6)	**538380**	1

Uses:
they facilitate the application of conductive bus-bars in watertight distribution boards consisting of equipment in large TAIS insulating modular boxes with “a”, “b” and “c” windows.



TAIS SERIES
Hinge frames with installation kit for watertight enclosures

Description	Palazzoli code	Pack Q.ty
Single hinge in insulating material with screws, washers and gaskets	**538385**	1

Uses:
with all TAIS series boxes in thermosetting (GRP) insulating material with screw cover (excluding those with 18 mm low cover) They cannot be fitted to walls with a window or near holes or knockouts.

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ALUPRES series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60529	IEC 60529
Protection rating:	IP54 / IP67	
Impact resistance:	>> IK 10	
Temperature resistance:	Operating:	-40°C - +70°C
	Storage:	-50°C - +80°C



ALUPRES SERIES
Watertight enclosures in aluminium alloy with window walls
IP67

External dimensions (mm)	Window	Palazzoli code	Pack Q.ty
92x92x66	F0 F0 F0 F0	**150001**	1
125x125x73	F1 F1 F1 F1	**150011**	1
155x155x73	F1 F1 F1 F1	**150021**	1
185x185x105	F3 F3 F3 F3	**150031**	1
220x220x107	F3 F3 F3 F3	**150041**	1
295x295x121	F4 F4 F4 F4	**150051**	1
373x373x165	F6 F6 F6 F6	**150061**	1

Equipment:
free windows with gaskets in non-ageing elastomer and screws for applying accessories or for coupling with other boxes. Earth screws inside and outside the box.
Characteristics:
prepared for fixing junction terminal blocks with flat terminals. Enclosures with dimensions 155x155 and larger IP55.
Complementary items:
flanges and accessories on page 137
terminal blocks on page 130.



ALUPRES SERIES
Boxes with windowed walls for watertight enclosures in aluminium alloy, complete with mounting plates in tropicalized steel plate
IP67

External dimensions (mm)	Window	Palazzoli code	Pack Q.ty
92x92x42	F0 F0	**511112 •**	1
92x92x42	F0 F0 F0 F0	**511114 •**	1
125x92x42	F0 F0	**511122 •**	1
125x92x42	F0 F0 F0 F0	**511124 •**	1
185x92x42	F0 F0	**511142 •**	1
185x92x42	F0 F0 F0 F0	**511144 •**	1
185x92x42	F0 F0 F0 F0 F0	**511147**	1
125x125x63	F1 F1	**511212**	1
125x125x63	F1 F1 F1 F1	**511214**	1
125x125x63	F1 F0 F1	**511217**	1
185x125x63	F1 F1	**511222**	1
185x125x63	F2 F1 F1 F2	**511224**	1
185x125x63	F1 F1 F1 F0 F0	**511227**	1

(to be contd.)

Dimensions page 412

External dimensions (mm)	Window	Palazzoli code	Pack Q.ty
252x125x63		**511232**	1
252x125x63		**511234**	1
252x125x63		**511236**	1
252x125x63		**511237**	1
155x155x63		**521214**	1

• • Without mounting plate

Equipment:
free windows with gaskets in non-ageing elastomer and screws for applying accessories or for coupling with other boxes. Internal and external earth screws. Complete with mounting plates (except from code 511112 to code 511144).
Characteristics:
boxes with dimensions 155x155 and above with IP55 protection rating
Complementary items:
covers on page 136, flanges on page 137,
terminal blocks on page 130.



ALUPRES SERIES
Boxes with windowed walls for watertight enclosures in aluminium alloy, complete with mounting plates in tropicalized steel plate IP55

External dimensions (mm)	Window	Palazzoli code	Pack Q.ty
185x185x95		**511312**	1
185x185x95		**511314**	1
252x185x95		**511322**	1
252x185x95		**511324**	1
220x220x95		**521314**	1

(to be contd.)

External dimensions (mm)	Window	Palazzoli code	Pack Q.ty
252x252x140		**511412**	1
252x252x140		**511414**	1
315x252x140		**511422**	1
315x252x140		**511424**	1
507x252x140		**511452**	1
295x295x105		**521414**	1
315x315x140	Blind flange  Blind flange	**511512**	1
315x315x140		**511514**	1
373x373x140	Blind flange  Blind flange	**511612**	1
373x373x140		**511614**	1
507x373x140		**511632**	1
507x373x140		**511634**	1
630x373x140		**511642**	1
630x507x140		**511822**	1
630x507x140		**511824**	1

Equipment:
free windows with gaskets in non-ageing elastomer and screws for applying accessories or for coupling with other boxes.
Complementary items:
covers on page 136
flanges on page 137
terminal blocks on page 130.

Dimensions
page 414



ALUPRES SERIES
Low blind covers for watertight enclosures in aluminium alloy
IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
92x92	23	**515111**	1
125x125	10	**515200**	1
185x125	25	**515221**	1
155x155	10	**525200**	1
185x185	10	**515300**	1
220x220	13	**525300**	1
252x252	25	**515411**	1
507x252	53	**515453**	1
295x295	18	**525410**	1
315x315	53	**515512**	1
373x373	25	**515610**	1
507x373	53	**515632**	1
630x373	53	**515642**	1
630x507	53	**515822**	1

Equipment:
inclusive of non-ageing gasket and captive stainless steel fixing screws.
Characteristics:
covers with dimensions 155x155 and larger IP55.



ALUPRES SERIES
High blind covers for watertight enclosures in aluminium alloy
IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
92x92	35	**515112**	1
125x92	50	**515124**	1
185x92	50	**515144**	1
125x125	50	**515214**	1
185x125	50	**515224**	1
252x125	50	**515234**	1
185x185	50	**515313**	1
252x185	57	**515323**	1
252x252	57	**515413**	1
315x252	53	**515423**	1
373x373	80	**515613**	1
507x373	165	**515637**	1
630x373	127	**515645**	1

Equipment:
inclusive of non-ageing gasket and captive stainless steel fixing screws.
Characteristics:
the considerable height of the cover makes it ideal for containing enclosed switches. Covers with dimensions 155x155 and larger IP55.



ALUPRES SERIES
Covers with transparent door, EN50022 rail and accessories, for making watertight enclosures in aluminium alloy
IP67

For boxes with dimensions (mm)	No. modules EN50022	Cover height (mm)	Door height (mm)	Palazzoli code	Pack Q.ty
125x125	4	50	30	**518204**	1
185x125	6,5	50	30	**518206**	1
185x185	7,5	50	30	**518207**	1
252x125	9	50	30	**518209**	1
252x185	11	50	30	**518211**	1

Equipment:
inclusive of non-ageing gasket, captive stainless steel fixing screws and EN50022 rail.
Characteristics:
when fitted on the box they allow for the installation of modular devices. Covers with dimensions 155x155 and larger IP55.

Spare parts page 372
Dimensions page 414



ALUPRES SERIES
Hinged covers for watertight enclosures in aluminium alloy
IP55

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
185x185	64	**516314**	1
252x185	64	**516324**	1
252x252	64	**516414**	1
315x252	72	**516424**	1
507x252	72	**516454**	1
373x373	40	**516611**	1
373x373	72	**516613**	1
507x373	40	**516631**	1
507x373	140	**516636**	1
630x373	68	**516643**	1
630x507	68	**516823**	1
630x507	140	**516826**	1

Equipment:
inclusive of non-ageing gasket and captive stainless steel fixing screws.
Characteristics:
the hinge makes it easier to reach the inside of the enclosure.



ALUPRES SERIES
Floor covers for pedestrian traffic, for making watertight enclosures in aluminium alloy
IP55

For boxes with dimensions (mm)	External dimensions (mm)	Palazzoli code	Pack Q.ty
125x125x63	145x145x15	**519210**	1
155x155x63	177x177x16,5	**529210**	1
185x185x95	207x207x16,5	**519310**	1
220x220x95	245x245x20	**529310**	1
295x295x105	325x325x22	**529410**	1
373x373x140	405x405x25	**519610**	1

Equipment:
inclusive of non-ageing gasket and captive stainless steel fixing screws.



ALUPRES SERIES
Flat steel closing flanges for containers with walls with windows
IP67

For windows	Projection (mm)	Palazzoli code	Pack Q.ty
F0 (insulating mat.)	5	**540030**	1
F1 (insulating mat.)	6	**540031**	5
F0	2,5	**540090**	5
F1	5,5	**540091**	5
F2	5,5	**540032**	1
F3	6	**540033**	2
F4	6	**540034**	2
F5	7	**540035**	2
F6	8	**540036**	1

Uses:
they close unused windows. Holes can be made for applying cable glands.



ALUPRES SERIES
Raised closing flanges in aluminium alloy for enclosures with window walls
IP67

For windows	Projection (mm)	Palazzoli code	Pack Q.ty
F1	32	**540061**	1
F2	32	**540062**	1
F3	50	**540063**	1
F4	50	**540064**	1
F5	80	**540065**	1
F6	80	**540066**	1

Uses:
they close unused windows. Make wiring easier as they increase the internal volume of the enclosure.

Dimensions
page 414



ALUPRES SERIES
Flat closing aluminium alloy flanges with threaded metric pitch, for enclosures with windowed walls IP67

For windows	Threading	Palazzoli code	Pack Q.ty
F0	M25	**541050**	1
F1	M25	**541055**	1

Complementary items:
cable glands on page 144.



ALUPRES SERIES
Flat closing aluminium alloy flanges with cable gland, for containers with window walls IP67

For windows	Ring-nut diameter (mm)	Gasket diameter (mm)	Threading	Palazzoli code	Pack Q.ty
F0 (insulating mat.)	16	9÷12	1/2"	**541010**	1
F0 (insulating mat.)	20	14÷16	3/4"	**541020**	1
F0	16	9÷12	1/2"	**541080**	1
F0	20	12÷16	3/4"	**541090**	1
F0	25,5	17÷20	1"	**541030**	1
F1	16	9÷12	1/2"	**541011**	1
F1	20	14÷16	3/4"	**541021**	1
F0	16	9÷12	1/2"	**541040**	1

Characteristics:
suitable for entry with threaded conduits code 541040 with 2 separate access points.



ALUPRES SERIES
Flat closing aluminium alloy flanges with threaded metric pitch, for enclosures with windowed walls IP67

For windows	Threading	Palazzoli code	Pack Q.ty
F1	M32	**540180**	1
F2	M32	**540185**	1
F2	M40	**540186**	1
F3	M40	**540190**	1
F4	M40	**540193**	1
F5	M50	**540195**	1

Complementary items:
cable glands on page 144.



ALUPRES SERIES
Raised closing aluminium alloy flanges with cable gland for containers with window walls IP67

For windows	Ring-nut diameter (mm)	Gasket diameter (mm)	Threading	Palazzoli code	Pack Q.ty
F1	25,5	16÷22	1"	**540151**	1
F1	36	25÷26	1" 1/4	**540141**	1
F2	25,5	16÷22	1"	**540152**	1
F2	36	25÷26	1" 1/4	**540142**	1
F3	41,5	34÷35	1" 1/2	**540153**	1
F4	41,5	25÷35	1" 1/2	**540154**	1
F5	50	33÷44	2"	**540145**	1
F6	70	63÷64	2" 3/4	**540156**	1

Uses:
suitable for entry with threaded conduits. Make wiring easier as they increase the internal volume of the enclosure.

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ALUPRES SERIES
Raised closing flanges in aluminium alloy with double cable gland, for enclosures with windowed walls
IP67

For windows	Ring-nut diameter (mm)	Gasket diameter (mm)	Threading	Palazzoli code	Pack Q.ty
F1	20	12÷16	3/4"	**540161**	1
F2	25,5	16÷22	1"	**540162**	1
F3	36	25÷26	1" 1/4	**540163**	1
F4	41,5	25÷35	1" 1/2	**540164**	1
F5	50	33÷44	2"	**540165**	1

Uses:
suitable for entry with cables or threaded conduits.



ALUPRES SERIES
Aluminium alloy 1-way junctions for enclosures with windowed walls

For windows	Projection (mm)	For cables (mm)	Palazzoli code	Pack Q.ty
F1	70	26	**544031**	1
F2	90	26	**544022**	1
F3	110	42	**544033**	1
F4	140	54	**544034**	1
F5	160	65	**544035**	1
F6	250	80	**544036**	1

Uses:
suitable for entry with unthreaded conduits or cables.



ALUPRES SERIES
90° aluminium alloy 1-way junctions for enclosures with windowed walls

For windows	Projection (mm)	Internal hole (mm)	Palazzoli code	Pack Q.ty
F1	53	32	**545081**	8
F2	74	32	**545082**	1
F3	83	54	**545083**	1
F4	93	60	**545084**	1
F5	137	65	**545085**	1
F6	137	65	**545086**	1

Uses:
suitable for entry with unthreaded conduits or cables.



ALUPRES SERIES
Reducers in steel for windows
IP67

Type	Window reduction	Window reduction	Thickness (mm)	Palazzoli code	Pack Q.ty
	F1	F0	3	**547010**	1
	F2	F0	4	**547020**	1
	F2	F1	4	**547021**	1
	F3	F0	4	**547030**	1
	F3	F1	4	**547031**	1
	F3	F2	4	**547032**	1
	F3	2xF0	5	**547300**	1
	F4	F1	4	**547041**	1
	F4	F2	4	**547042**	1
	F4	F3	4	**547043**	1
	F4	F1+F0	6	**547410**	1
	F4	2xF1	5	**547411**	1
	F5	F3	5	**547053**	1
	F5	F4	5	**547054**	1
	F6	F3	5	**547063**	1
	F6	F4	5	**547064**	1
	F6	F5	5	**547065**	1
	F5	F1	5	**547151**	1
	F5	F2	5	**547152**	1
	F6	F1	5	**547161**	1
	F6	F2	5	**547162**	1

Uses: boxes and socket-outlets can be interfaced with different windows.
Complementary items: socket-outlets from page 92, enclosures on page 135.
Characteristics: codes 547151, 547152, 547161, 547162 are needed to couple only the boxes with the flanges with cable gland.

Dimensions page 414

Distribution control units





topTER 141

In thermoplastic material IP65



PRIMA 141

In thermoplastic material IP65



TAIS 141

In thermosetting (GRP) material IP66/IP67



TAIS 141

In thermosetting (GRP) material IP67



ALUPRES 141

In aluminium alloy IP67



topTER SERIES
Wall-mounted thermoplastic control unit
IP56

External dimensions (mm)	No. modules EN 50022	Dispersable wattage (W)	Palazzoli code	Pack Q.ty
284x172	12	40	**575506**	1

Equipment: 2 modular covers code 579904.



topTER SERIES
Wall-mounted thermoplastic control unit
IP65

External dimensions (mm)	No. modules EN 50022	Dispersable wattage (W)	Palazzoli code	Pack Q.ty
121x158	5	20	**579708**	1
158x250	12	40	**579709**	1

Characteristics: cod.579709 IP55.



PRIMA SERIES
Wall-mounted thermoplastic control unit
IP55

External dimensions (mm)	No. modules EN 50022	Dispersable wattage (W)	Palazzoli code	Pack Q.ty
212x114	9	36	**579612**	1

Equipment: 2 modular covers code 579904.



TAIS SERIES
High performance control unit in thermosetting (GRP) material
IP66/IP67

External dimensions (mm)	No. modules EN 50022	Dispersable wattage (W)	Palazzoli code	Pack Q.ty
125x185	5	15	**532300**	1
190x185	8	20	**532301**	1
250x185	12	24	**532302**	1
290x185	14	28	**532303**	1
380x185	19	35	**532304**	1

Characteristics: includes drilling template. Polyester impact-proof door.



TAIS SERIES
Wall-mounted thermosetting (GRP) control units
IP67

Dimensions (mm)	No. modules EN 50022	Dispersable wattage (W)	Palazzoli code	Pack Q.ty
125x125	4	13	**532516**	1
185x125	6,5	15	**532557**	1
250x125	9	20	**532658**	1



ALUPRES SERIES
Wall-mounted control units in aluminium alloy IP67

Dimensions (mm)	No. modules EN 50022	Dispersable wattage (W)	Palazzoli code	Pack Q.ty
125x125	4	13	**512204**	1
185x125	6,5	15	**512206**	1
250x125	11	20	**512211**	1

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UNI

Cable glands with Pg thread
in insulating material 143
Cable glands with metric thread
in insulating material 144



UNI

Cable glands with Pg thread
in nickel-plated brass 145
Cable glands with metric thread
nickel-plated brass 146



UNI

Stepped glands, reducers, fittings,
screwcaps and nuts 147

UNI series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60529	IEC 60529
	CEI EN 50298	CEI 17-71
Temperature resistance:	Operating:	-40°C - +70°C
	Storage:	-50°C - +80°C



UNI SERIES
Insulated cable glands with Pg threading
IP68

Pg	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
7	13	3,5-7	8	**571007**	100
9	16	5-8	8	**571009**	100
11	19	5-10	8	**571011**	100
13,5	21	7-12	9	**571013**	100
16	23	10-14	10	**571016**	50
21	29	13-18	12	**571021**	50
29	38	18-25	12	**571029**	25
36	48	20-32	14	**571036**	10
42	55	28-38	14	**571042**	5
48	61	37-45	15	**571048**	5

Complementary items:
polygonal nuts on page 143.



UNI SERIES
Insulated cable glands with Pg threading, with long thread
IP68

Pg	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
7	13	3,5-7	15	**571107**	100
9	16	5-8	15	**571109**	100
11	19	5-10	15	**571111**	100
13,5	21	7-12	15	**571113**	100
16	23	10-14	15	**571116**	50
21	29	13-18	15	**571121**	50
29	38	18-25	15	**571129**	25
36	48	20-32	18	**571136**	10
42	55	28-38	18	**571142**	5
48	61	37-45	18	**571148**	5

Uses:
for cable/conduit entry into boxes with very thick walls.
Complementary items:
polygonal nuts on page 143.



UNI SERIES
Polygonal nuts with Pg thread

Pg	Palazzoli code	Pack Q.ty
7	**571207**	100
9	**571209**	100
11	**571211**	100
13,5	**571213**	100
16	**571216**	100
21	**571221**	50
29	**571229**	50
36	**571236**	30
42	**571242**	25
48	**571248**	20

Uses:
they are used for fastening Pg accessories onto walls with through holes.



UNI SERIES
Insulated cable glands with metric pitch thread IP68

Thread	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
M12x1,5	12,5	3,5-7	8	**581012**	100
M16x1,5	16,5	5-10	8	**581016**	100
M20x1,5	20,5	7-13	9	**581020**	100
M25x1,5	25,5	10-17	10	**581025**	50
M32x1,5	32,5	13-21	10	**581032**	25
M40x1,5	40,5	19-28	10	**581040**	15
M50x1,5	50,5	27-35	12	**581050**	10
M63x1,5	63,5	34-45	12	**581063**	5

Complementary items:
polygonal nuts on page 144.



UNI SERIES
Insulated cable glands with metric pitch threading with long thread IP68

Thread	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
M12x1,5	12,5	3,5-7	15	**581112**	100
M16x1,5	16,5	5-10	15	**581116**	100
M20x1,5	20,5	7-13	15	**581120**	50
M25x1,5	25,5	10-17	15	**581125**	50
M32x1,5	32,5	13-21	15	**581132**	25
M40x1,5	40,5	19-28	18	**581140**	15
M50x1,5	50,5	27-35	18	**581150**	10
M63x1,5	63,5	34-45	18	**581163**	5

Uses:
for cable/conduit entry into boxes with very thick walls.
Complementary items:
polygonal nuts on page 144.



UNI SERIES
Polygonal nuts with with metric pitch

Thread	Palazzoli code	Pack Q.ty
M12x1,5	**581212**	100
M16x1,5	**581216**	100
M20x1,5	**581220**	100
M25x1,5	**581225**	100
M32x1,5	**581232**	50
M40x1,5	**581240**	30
M50x1,5	**581250**	30
M63x1,5	**581263**	15

Uses:
they are used to fasten cable glands with metric pitch to walls with through holes.



UNI SERIES
Brass cable glands with Pg thread
IP68

Pg	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
7	13	3-7	5	**572007**	100
9	15,5	4-8	6	**572009**	100
11	19	4,5-10	6	**572011**	100
13,5	21	5-12	6,5	**572013**	50
16	23	7-13	6,5	**572016**	50
21	29	10-17	7	**572021**	50
29	37,5	17-25	8	**572029**	25
36	47,5	20-32	8	**572036**	10
42	54,5	28-38	10	**572042**	5

Complementary items:
polygonal nuts on page 145.



UNI SERIES
Brass cable glands with Pg threading with long thread
IP68

Pg	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
7	13	3-7	12	**572107**	100
9	15,5	4-8	12	**572109**	100
11	19	4,5-10	12	**572111**	100
13,5	21	5-12	12	**572113**	50
16	23	7-13	12	**572116**	50
21	29	10-17	12	**572121**	50
29	37,5	17-25	15	**572129**	25
36	47,5	20-32	15	**572136**	10
42	54,5	28-38	15	**572142**	5
48	60	34-45	15	**572148**	5

Complementary items:
polygonal nuts on page 145.



UNI SERIES
Brass screwcaps
with Pg thread
IP68

Pg	Thread lenght (mm)	Palazzoli code	Pack Q.ty
7	5	**572307**	100
9	6	**572309**	100
11	6	**572311**	100
13,5	6,5	**572313**	100
16	6,5	**572316**	100
21	7	**572321**	50
29	8	**572329**	25
36	9	**572336**	50
42	10	**572342**	25
48	10	**572348**	25

Complementary items:
polygonal nuts on page 145.



UNI SERIES
Brass polygonal nuts with Pg thread

Pg	Palazzoli code	Pack Q.ty
7	**572207**	100
9	**572209**	100
11	**572211**	100
13,5	**572213**	100
16	**572216**	100
21	**572221**	100
29	**572229**	50
36	**572236**	10
42	**572242**	10
48	**572248**	10

Uses:
they are used to fasten cable glands with Pg pitch to walls with through holes.



UNI SERIES
Brass cable glands
with metric
IP68

Thread	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
M12x1,5	12,5	3-7	6,5	**582012**	100
M16x1,5	16,5	4,5-10	7	**582016**	100
M20x1,5	20,5	7-13	8	**582020**	50
M25x1,5	25,5	10-17	8	**582025**	50
M32x1,5	32,5	11-21	9	**582032**	25
M40x1,5	40,5	19-28	9	**582041**	10
M50x1,5	50,5	26-35	10	**582050**	8

Complementary items:
polygonal nuts on page 146.



UNI SERIES
Brass screwcaps
with metric thread
IP68

Thread	Thread lenght (mm)	Palazzoli code	Pack Q.ty
M12x1.5	5	**582312**	100
M16x1,5	6	**582316**	100
M20x1,5	6	**582320**	100
M25x1,5	7	**582325**	100
M32x1,5	8	**582332**	25
M40x1,5	8	**582340**	25
M50x1,5	9	**582350**	25
M63x1,5	10	**582363**	25

Complementary items:
polygonal nuts on page 146.



UNI SERIES
Brass cable glands with metric
thread with long thread IP68

Thread	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
M12x1,5	12,5	3-7	12	**582112**	100
M16x1,5	16,5	4,5-10	12	**582116**	100
M20x1,5	20,5	7-13	12	**582120**	50
M25x1,5	25,5	10-17	12	**582125**	50
M32x1,5	32,5	11-21	15	**582132**	25
M40x1,5	40,5	19-28	15	**582141**	10
M50x1,5	50,5	26-35	15	**582150**	8
M63x1,5	63,5	34-45	15	**582163**	5

Complementary items:
polygonal nuts on page 146.



UNI SERIES
Brass polygonal nuts
with metric thread

Thread	Palazzoli code	Pack Q.ty
M12x1,5	**582212**	100
M16x1,5	**582216**	100
M20x1,5	**582220**	100
M25x1,5	**582225**	100
M32x1,5	**582232**	25
M40x1,5	**582240**	10
M50x1,5	**582250**	10
M63x1,5	**582263**	5

Uses:
they are used to fasten cable glands with metric pitch to walls with through holes.



UNI SERIES
Pg 13.5 cable glands with adaptor for mounting onto
Pg21 and Pg29 holes
IP67

Reduction type	Palazzoli code	Pack Q.ty
from Pg13,5 to Pg21	**580282**	1
from Pg13,5 to Pg29	**580283**	1

Complementary items:
polygonal nuts on page 143.



UNI SERIES
Reduction washer for mounting
Pg 29 onto Pg 36 hole
IP67

Reduction type	Palazzoli code	Pack Q.ty
from Pg29 to Pg36	**580201**	1

Equipment:
inclusive of gasket.
Uses:
ideal for making distribution boards with TAIS series interlocked socket-outlets. It joins various socket-outlets 63A 3P+N+⏚ (Pg36 hole) and boxes with Pg29 hole.



UNI SERIES
Additional stepped glands with Pg for boxes with knockouts
IP54

Assembly hole type	For cables ø (mm)	Palazzoli code	Pack Q.ty
Pg 13,5	9 ÷ 13,5	**791915**	100
Pg 16	9 ÷ 16	**791925**	20
Pg 21	9 ÷ 21	**791935**	50
Pg 29	17 ÷ 29	**791945**	30

Characteristics:
snaplock fastening without nut.



UNI SERIES
Additional stepped glands with metric for boxes with knockouts
IP54

Assembly hole type	For cables ø (mm)	Palazzoli code	Pack Q.ty
M20	9 ÷ 13,5	**791916**	20
M25	9 ÷ 16	**791926**	20
M32	9 ÷ 21	**791936**	10
M40	17 ÷ 29	**791946**	5

Characteristics:
snaplock fastening without nut.



UNI SERIES
Metric adaptor fittings from Pg to metric holes

Pg	From hole Metric	To metric hole	Palazzoli code	Pack Q.ty
21	M25	M25	**538421**	1
29	M32	M32	**538429**	1
36	M40	M40	**538436**	1

Characteristics:
enable to couple plugs with Pg or metric holes with metric hole enclosures and vice versa. They are essential to couple high-capacity boxes with TAIS intelocked plugs.



UNI SERIES
Screwcaps with Pg thread
IP67

Pg	Palazzoli code	Pack Q.ty
13,5	**580230**	5
16	**580231**	5
21	**580232**	5
29	**580233**	1
36	**580234**	5

Equipment:
inclusive of gasket.
Characteristics:
used for closing any unused holes on enclosures and boxes.
Complementary items:
polygonal nuts on page 143.



UNI SERIES
Screwcaps with anti-condensation aeration filter with Pg pitch threads
IP54

Pg	Assembly hole (mm)	Palazzoli code	Pack Q.ty
16	23	**580211**	1
21	29	**580212**	1
29	38	**580213**	1

Equipment:
inclusive of threaded shade ring, stainless steel sponge filter, gasket and nut.
Characteristics:
the cap must be mounted with the opening aiming downwards.
Uses:
ideal for very humid environments.



UNI SERIES
Cable gland ring-nuts with Gas threading
IP67

Assembly hole type	Fastening diameter (mm)	Palazzoli code	Pack Q.ty
3/8"	8÷10	**580101**	1
1/2"	10÷13	**580102**	5
3/4"	13÷17	**580104**	1
1"	17÷21	**580105**	1

Equipment:
with ring in non-ageing elastomer.



UNI SERIES
Screwcaps
with Gas threading
IP67

Assembly hole type	Palazzoli code	Pack Q.ty
3/8"	**580051**	5
1/2"	**580052**	5
3/4"	**580054**	5

Uses:
it closes unused Gas thread holes.



UNI SERIES
Coupling fittings
with Gas threading
for watertight enclosures
IP67

Assembly hole	Internal hole ø (mm)	Palazzoli code	Pack Q.ty
1/2"	16	**590002**	5
3/4"	20	**590004**	1

Equipment:
inclusive of sleeve and small gasket ring in elastomer.
Uses:
they are used for joining boxes with connections of the same size.



UNI SERIES
Fittings for joining smooth hole box/threaded hole box
IP67

Threaded hole	Smooth hole ø (mm)	Internal hole ø (mm)	Palazzoli code	Pack Q.ty
1/2"	21	12,5	**590032**	1

Equipment:
inclusive of threaded sleeve with notched crown and small gasket ring in elastomer.
Uses:
it is used for joining a smooth hole box with a 1/2" threaded hole box.



UNI SERIES
Locking spanner for coupling fitting

Manufacture material	Palazzoli code	Pack Q.ty
tropicalized steel	**590042**	1

Uses:
spanner for smooth/threaded 1/2” hole coupling fittings.



UNI SERIES
Pg/Gas adaptors for conduit/box couplings
IP67

For threaded hole	For pipe with threading	Palazzoli code	Pack Q.ty
Pg13,5	3/8"	**580271**	1
Pg16	1/2"	**580272**	1
Pg21	3/4"	**580274**	1
Pg29	1"	**580275**	1
Pg36	1" 1/2	**580276**	1

Equipment:
inclusive of gasket.
Uses:
they are equipped with Gas coupling threaded entry for direct installation on Pg coupling threaded holes.
Complementary items:
polygonal nuts on page 143.



UNI SERIES
Pg/Metric adaptors for conduit/box couplings
IP67

For threaded hole	For pipe with threading	Palazzoli code	Pack Q.ty
Pg13,5	M20x1.5	**580291**	1
Pg16	M20x1.5	**580292**	1
Pg21	M25x1.5	**580294**	1
Pg29	M32x1,5	**580295**	1
Pg36	M40x1,5	**580296**	1

Equipment:
inclusive of gasket.
Uses:
they are equipped with Iso metric threaded entry for direct installation on Pg threaded holes.
Complementary items:
polygonal nuts on page 143.



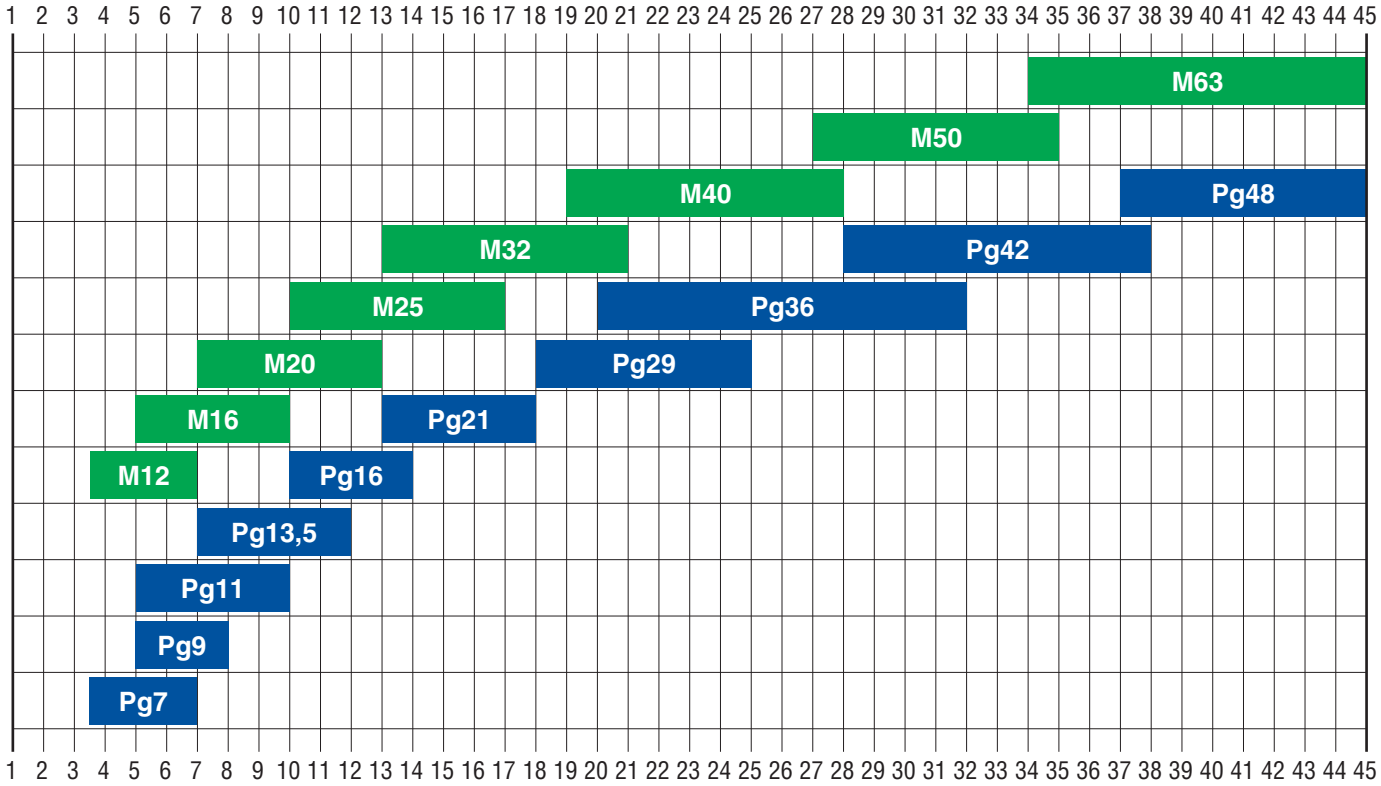
UNI SERIES
Gas/Metric adaptors for conduit/box couplings
IP67

For threaded pipe	For pipe with threading	Palazzoli code	Pack Q.ty
1/2" Gas	M20x1.5	**580261**	1
3/4" Gas	M25x1.5	**580264**	1

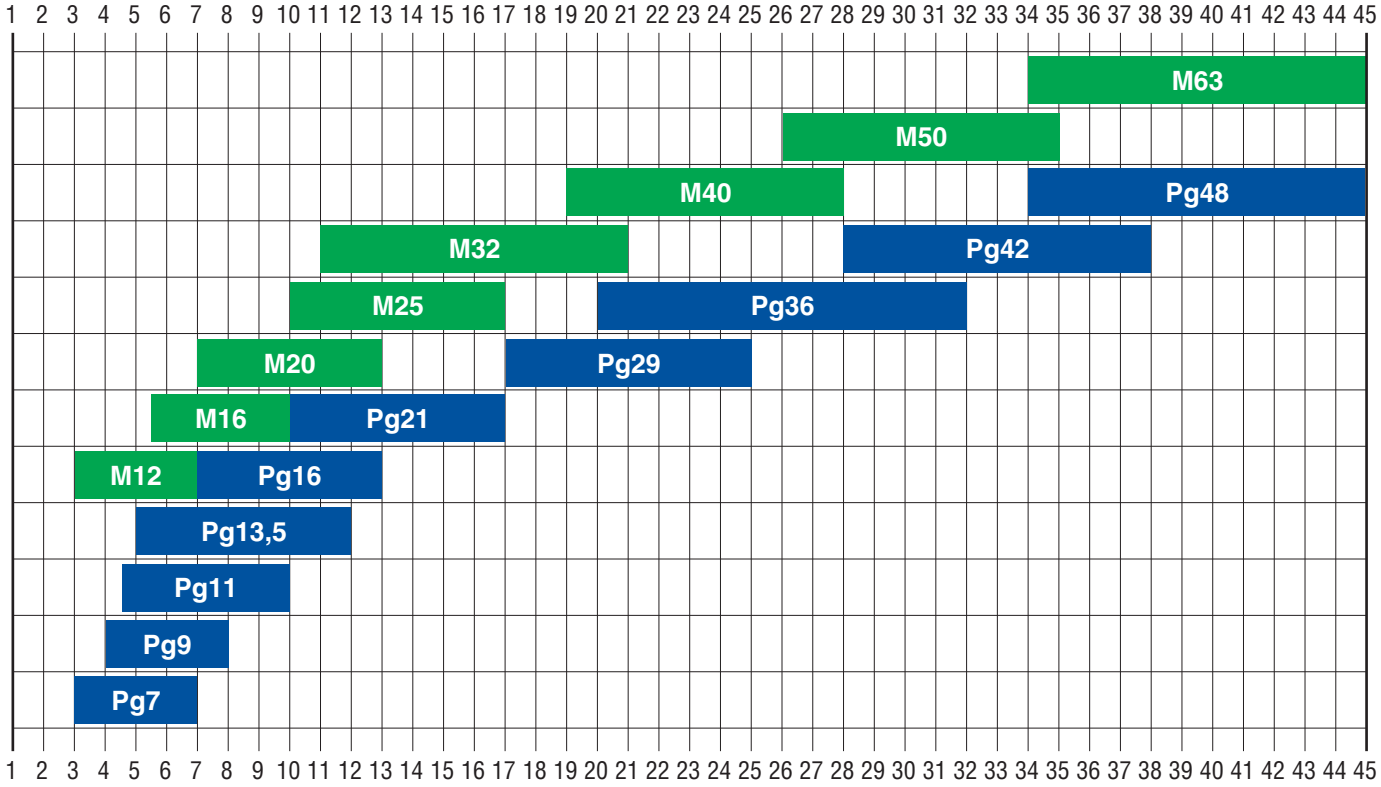
Equipment:
inclusive of gasket.
Uses:
they are equipped with Iso metric threaded entry for direct installation on Gas threaded holes.

INSULATED CABLE GLANDS WITH METRIC AND PG PITCH SELECTION TABLE

Clamping diameters (mm) - insulating material



Clamping diameters (mm) - brass



ROTARY CONTROL DEVICES IN BOXES

The products and recommended applications

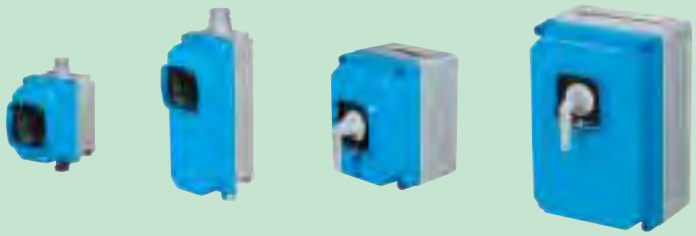
SERVICE SECTOR		INDUSTRY			MAJOR FIRE RISK	SPECIAL
Bar Motorway cafes Wellness centres Hypermarkets Offices Trade fairs Photographic studios	Parks Outlet Squares Playgrounds	Plastic moulding Manufacturing Textile Technical rooms	Wineries Dairies Butchers Canning industries Ham factories Feed mills	Rails Oil Metallurgical Mechanical Pharmaceutical Chemical Cement plant Airport steel industry Race tracks	Schools Museums Libraries Shopping centres Hotels Hospitals Deposits and warehouses Public entertainment centres	Foundries Mining extractions Carboniferous

THERMOPLASTIC



CAM SZ IP65

THERMOSETTING (GRP)



CAM IP67

ALUMINIUM ALLOY



CAM IP55/IP67



CAM-SZ 154
Switches in thermoplastic enclosure
In up to 100A IP65



CAM 156
Switches in thermosetting (GRP) enclosure
In up to 600A IP67/IP65



CAM 157
Switches with fuses in thermosetting (GRP)
enclosure In up to 250A IP67/IP65



TAIS 157
Technical accessories



CAM 158
Switches in aluminium alloy
In up to 400A IP67/IP55



CAM 159
Selector switches in aluminium alloy
In up to 400A IP55



CAM 159
Starters in aluminium alloy
In up to 63A IP55



CAM 160
Two-way switches in aluminium alloy
In up to 16A IP55



CAM 160
Reversing switches in aluminium alloy
In fino a 63A IP55



CAM 160
Pole changing switches in aluminimu alloy
In up to 25A IP55



CAM 161
Switches with fuses in aluminium alloy
In up to 600A IP67/IP55



CAM 163
Technical accessories

CAM-SZ series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60947-3 CEI EN 60529	IEC 60947-3 IEC 60529
Operation category:	see table on page. 341	
Protection rating:	IP65 finishes	IP20 cores
Impact resistance:	> IK 08	
Glow wire test:	960°C	
Self-Extinguishing:	V0	
Temperature resistance:	Operating: Storage:	-25°C - +60°C -40°C - +80°C
Homologations:	CE, IMQ, UL RoHS compliant	



CAM-SZ SERIES
Wall-mounted emergency isolator switches with red knob and yellow plate in insulated enclosure
IP65



Rated current (A)	Poles	Scheme CAM	Palazzoli code	Pack Q.ty
16	2	1	**208162**	1
	3	2	**208163**	1
	4	3	**208164**	1
25	3	2	**208253**	1
	4	3	**208254**	1
32	2	1	**208322**	1
	3	2	**208323**	1
	4	3	**208324**	1
40	3	2	**208403**	1
	4	3	**208404**	1
63	2	1	**208632**	1
	3	2	**208633**	1
	4	3	**208634**	1
100	3	2	**208103**	1
	4	3	**208104**	1

Equipment:
complete with terminal cover cap.
Characteristics
lockable knob.
Complementary items
auxiliary contacts on page 155
adapter for mounting auxiliary contacts page 155.



CAM-SZ SERIES
Wall-mounted isolator switches with black knob and grey plate in insulated enclosure
IP65



Rated current (A)	Poles	Scheme CAM	Palazzoli code	Pack Q.ty
16	2	1	**209162**	1
	3	2	**209163**	1
	4	3	**209164**	1
25	3	2	**209253**	1
	4	3	**209254**	1
32	2	1	**209322**	1
	3	2	**209323**	1
	4	3	**209324**	1
40	3	2	**209403**	1
	4	3	**209404**	1
63	2	1	**209632**	1
	3	2	**209633**	1
	4	3	**209634**	1
100	3	2	**209103**	1
	4	3	**209104**	1

Equipment:
complete with terminal cover cap.
Characteristics
lockable knob.
Complementary items
auxiliary contacts on page 155
adapter for mounting auxiliary contacts page 155.

Product specifications page 154
Assembly diagrams page 155
Contacts layouts page 316
Dimensions page 416



CAM-SZ SERIES
Auxiliary contacts for base panel isolator switches with doorlock and for walls

Rated current (A)	Control devices	Contact type	Palazzoli code	Pack Q.ty
16	isolators 16-32A	1 NC retarded	**270226**	1
	isolator switches 16-32A	1 NO anticpitated	**270227**	1
	isolator switches 16-32A	1 NC	**270230**	1
	isolator switches 16-32A	1 NO	**270231**	1
	isolator switches 16-32A	1NO+1NC	**270232**	1
	isolator switches 40-100A	1NO+1NC	**200016**	1

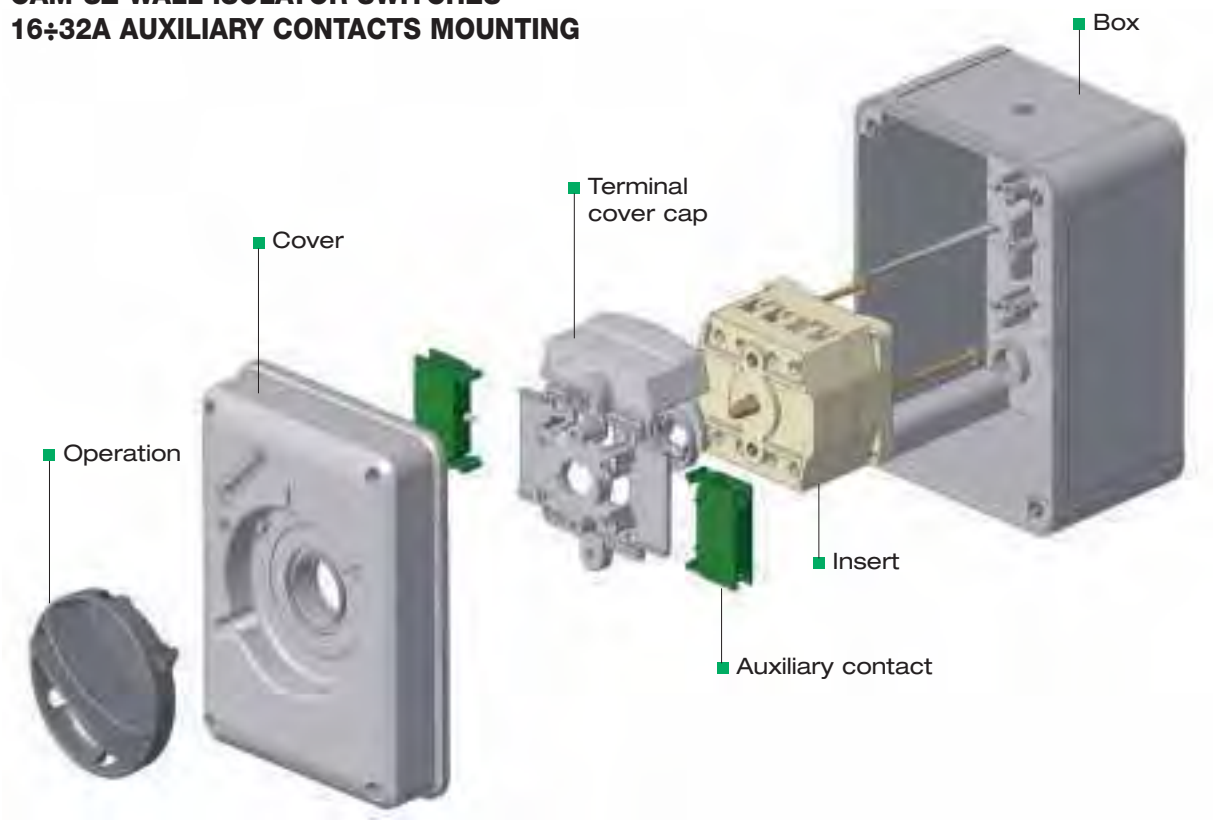
Characteristics
adaptor kit code 270235 is needed for mounting auxiliary contacts from 16A to 32A. 270235. The code 200016 can also be used for rear panel applications from 40A to 100A.
Uses
you can reposition the main contacts from a distance.



CAM-SZ SERIES
Adaptor for mounting auxiliary contacts to the base panel 16A and 32A isolator switches with doorlock and for walls

Control devices	Palazzoli code	Pack Q.ty
isolator switches 16-32A	**270235**	1

CAM-SZ WALL ISOLATOR SWITCHES 16÷32A AUXILIARY CONTACTS MOUNTING



CAM series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60947-3	IEC 60947-3
	CEI EN 60947-5-1	IEC 60947-5-1
	CEI EN 60947-4-1	IEC 60947-4-1
Protection rating:	IP55 / IP65 / IP67	
Impact resistance:	> IK 10	
Glow wire test:	960°C	
Self-extinguishing grade:	V0	
Switch category:	see table on page 349	
Temperature resistance:	Operating:	-25°C - +70°C
	Storage:	-50°C - +80°C



CAM SERIES
Watertight wall-mounting switches in window enclosure of thermosetting (GRP) material
IP65



Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Hole Type	Palazzoli code	Pack Q.ty
100	4	3	185x250	a / a	**292503**	1
200	4	3	185x250	a / a	**292603**	1
	4	3	250x250	b / b	**292623**	1
400	4	3	370x500	c / c	**292703**	1
600	4	3	370x500	c / c	**292733**	1

Equipment:
earth terminal inside the box. Heads with free windows equipped with gaskets and screws. Flanges not supplied.
Characteristics:
Lockable knob.
Complementary items:
flanges on page 157.



CAM SERIES
Watertight wall-mounted switches, in thermosetting (GRP) enclosure
IP67



Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Hole type	Palazzoli code	Pack Q.ty
16	2	1	92x125	M25 / M25	**292101**	5
	3	2	92x125	M25 / M25	**292102**	5
	4	3	92x125	M25 / M25	**292103**	5
25	2	1	92x125	M25 / M25	**292201**	5
	3	2	92x125	M25 / M25	**292202**	5
	4	3	92x125	M25 / M25	**292203**	5
40	2	1	125x185	M32 / M32	**292301**	1
	3	2	125x185	M32 / M32	**292302**	1
	4	3	125x185	M32 / M32	**292303**	1
63	2	1	125x185	M32 / M32	**292411**	1
	3	2	125x185	M32 / M32	**292412**	1
	4	3	125x185	M32 / M32	**292413**	1

Equipment:
earth terminal inside the box.
Characteristics:
lockable knob.
Complementary items:
cable glands on page 144.

Product specifications page 156
Contacts layouts page 316
Dimensions page 417



CAM SERIES
Watertight wall-mounted switches, with fuse-holder base in enclosure in thermosetting (GRP) material
IP67

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Hole type	Palazzoli code	Pack Q.ty
25	2	1	92x240	M25 / M25	**290521**	1
	3	2	92x240	M25 / M25	**290522**	1
	4	3	92x240	M25 / M25	**290523**	1
40	2	1	125x335	M32 / M32	**290641**	1
	3	2	125x335	M32 / M32	**290642**	1
	4	3	125x335	M32 / M32	**290643**	1
63	3	2	125x335	M32 / M32	**290762**	1
	4	3	125x335	M32 / M32	**290763**	1

Equipment:
inclusive of cable gland.
Characteristics:
earth terminal inside the box. Diazed fuse type: for devices 25A NDz (E16) for devices 40A and 63A DIII (E33) (not supplied).
Lockable knob.
Complementary items:
fuses on page 167.



CAM SERIES
Watertight wall-mounting switches with fuse-holder base in window enclosure of thermosetting (GRP) material
IP65

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Window	Palazzoli code	Pack Q.ty
100	4	3	250x370	b / b	**293053**	1
200	4	3	370x500	c / c	**293063**	1
250	4	3	370x500	c / c	**293263**	1

Equipment: earth terminal block inside the box. Heads with free windows equipped with gaskets and screws. Flanges not supplied.
Characteristics: lockable knob. ACR fuse type: for devices 100A GR.00, for devices 200A and 250A GR.1 (not supplied).
Complementary items: flanges on page 157, fuses on page 167.



TAIS SERIES
Flat blind flanges for watertight containers IP67

Type	Window dimensions	Flange height (mm)	Palazzoli code	Pack Q.ty
a	110x60	15	**538110**	2
b	175x60	15	**538210**	2
c	295x60	15	**538310**	1



TAIS SERIES
Raised blind flanges for watertight containers
IP67

Type	Window dimensions	Flange height (mm)	Palazzoli code	Pack Q.ty
a	110x60	45	**538130**	2
b	175x60	45	**538230**	2
c	295x60	45	**538330**	1

Product specifications page 156
Contacts layouts page 316
Dimensions page 411

ROTARY CONTROL DEVICES IN BOX



CAM SERIES
Watertight wall-mounted switches in windowed aluminium alloy enclosures
IP67

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Window	Palazzoli code	Pack Q.ty
16	2	1	92x92	F0	**272141**	6
	3	2	92x92	F0	**272142**	6
	4	3	92x92	F0	**272143**	6
	6	3.1	92x125	F0	**272144**	1
25	2	1	92x92	F0	**272241**	1
	3	2	92x92	F0	**272242**	6
	4	3	92x92	F0	**272243**	6
	6	3.1	92x125	F0	**272244**	1
40	2	1	125x125	F1	**272301**	1
	3	2	125x125	F1	**272302**	1
	4	3	125x125	F1	**272303**	1
	6	3.1	125x185	F1	**272304**	1
63	3	2	125x185	F1	**282402**	1
	4	3	125x185	F1	**282403**	1
	6	3.1	125x185	F1	**282404**	1
100	3	2	185x252	F3	**272502**	1
	4	3	185x252	F3	**272503**	1
200	4	3	220x315	F3	**282603**	1
400	4	3	315x315	F5	**282703**	1

Equipment:
earth terminal inside and outside the box.
Characteristics:
The protection rating from 100A load is IP55 and greater.
Lockable knob.
Complementary items:
flanges from page 162.

Product specifications page 156
Contacts layouts page 316
Dimensions page 418



CAM SERIES
Watertight wall-mounted selector switches in windowed aluminium alloy enclosure
IP55

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Window	Palazzoli code	Pack Q.ty
16	3	6	92x125	F0 F0	**272146**	1
	4	7	92x125	F0 F0	**272147**	1
25	3	6	92x125	F0 F0	**272246**	1
	4	7	92x125	F0 F0	**272247**	1
40	3	6	125x185	F1 F1	**272306**	1
	4	7	125x185	F1 F1	**272307**	1
63	3	6	125x185	F1 F1	**282406**	1
	4	7	252x185	F4 F4	**282407** •	1
100	4	7	315x315	F5 F5	**272507** •	1
200	4	7	373x373	F6 F6	**282607** •	1
400	4	7	507x507	F6 F6	**282707** •	1

Equipment:
earth terminal inside and outside the box.
Characteristics:
• controls with metal lever and bevel gear pair transmission.
Complementary items:
flanges from page 162.



CAM SERIES
Watertight wall-mounted star/delta starters, in windowed aluminium alloy enclosure
IP55

Rated current (A)	Scheme CAM	Enclosure dimensions (mm)	Window	Palazzoli code	Pack Q.ty
16	13	92x125	F0 F0	**272153**	1
25	13	92x125	F0 F0	**272253**	1
40	13	125x185	F1 F1	**272313**	1
63	13	252x185	F4 F4	**282413** •	1

Equipment:
earth terminal inside and outside the box.
Characteristics:
• controls with metal lever and bevel gear pair transmission.
Complementary items:
flanges from page 162.

Product specifications page 156
Contacts layouts page 316
Dimensions page 418



CAM SERIES
Watertight wall-mounted two-way switch in windowed aluminium alloy enclosure
IP55

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Window	Palazzoli code	Pack Q.ty
16	1	8	92x92	F0 F0	**272148**	1

Equipment:
earth terminal inside and outside the box.
Complementary items:
flanges from page 162.



CAM SERIES
Watertight wall-mounted reversing switch for three-phase motors, in windowed aluminium alloy enclosure
IP55

Rated current (A)	Scheme CAM	Enclosure dimensions (mm)	Window	Palazzoli code	Pack Q.ty
16	12	92x125	F0 F0	**272152**	1
25	12	92x125	F0 F0	**272252**	1
40	12	125x185	F1 F1	**272312**	1
63	12	125x185	F1 F1	**282412**	1

Equipment:
earth terminal inside and outside the box.
Complementary items:
flanges from page 162.



CAM SERIES
Watertight wall-mounted reversing switch in windowed aluminium alloy enclosure
IP55

Rated current (A)	Scheme CAM	Enclosure dimensions (mm)	Window	Palazzoli code	Pack Q.ty
16	38	92x92	F0 F0	**272178**	1

Equipment:
earth terminal inside and outside the box.
Complementary items:
flanges from page 162.



CAM SERIES
Watertight wall-mounted pole changing switches in windowed aluminium alloy enclosure
IP55

Rated current (A)	Scheme CAM	Enclosure dimensions (mm)	Window	Palazzoli code	Pack Q.ty
16	15	92x125	F0 F0	**272155**	1
25	15	92x125	F0 F0	**272255**	1

Equipment:
earth terminal inside and outside the box.
Complementary items:
flanges from page 162.

Product specifications page 156
Contacts layouts page 316
Dimensions page 418



CAM SERIES
Watertight wall-mounted switches with fuse-holder base in hinged aluminium alloy enclosure
IP67

Rated current (A)	Poles	Enclosure dimensions (mm)	Windows	Palazzoli code	Pack Q.ty
25	2	92x185	F0 / F0	**274302**	1
	3	92x185	F0 / F0	**274303**	1
	4	92x185	F0 / F0	**274304**	1

Equipment:
earth terminal inside and outside the box.
Characteristics:
Diazed fuse type: NDz (E16) (not supplied).
Lockable knob.
Complementary items:
flanges from page 162,
fuses on page 167.



CAM SERIES
Watertight wall-mounted switches with fuse-holder base in hinged aluminium alloy enclosure
IP55

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Windows	Palazzoli code	Pack Q.ty
40	2	1	125x252	F1 / F1	**274031**	1
	3	2	125x252	F1 / F1	**274032**	1
	4	3	125x252	F1 / F1	**274033**	1
63	3	2	125x252	F1 / F1	**284042**	1
	4	3	125x252	F1 / F1	**284043**	1
100	4	3	185x373	F3 / F3	**283053**	1
200	4	3	220x507	F3 / F3	**283063**	1
400	4	3	315x630	F5 / F5	**283073** •	1
600	3	2	373x630	F6 / F6	**283082** •	1

Equipment:
earth terminal inside and outside the box. Heads with free windows equipped with gaskets and screws. Flanges not supplied.
Characteristics:
fuses: for 40A and 63A devices DIII (E33), for 100A devices GR.00, for 200A devices GR.1, for 400A devices GR.2, for 600A devices GR.3 (fuses not supplied)
• controls with metal lever and bevel gear pair transmission.
Complementary items:
flanges from page 162,
fuses on page 167.

Product specifications page 156
Contacts layouts page 316
Dimensions page 417



ALUPRES SERIES
Flat steel closing flanges for containers with walls with windows
IP67

For windows	Projection (mm)	Palazzoli code	Pack Q.ty
F0 (insulating mat.)	5	**540030**	1
F1 (insulating mat.)	6	**540031**	5
F0	2,5	**540090**	5
F1	5,5	**540091**	5
F2	5,5	**540032**	1
F3	6	**540033**	2
F4	6	**540034**	2
F5	7	**540035**	2
F6	8	**540036**	1

Uses:
they close unused windows. Holes can be made for applying cable glands.



ALUPRES SERIES
Raised closing flanges in aluminium alloy for enclosures with window walls
IP67

For windows	Projection (mm)	Palazzoli code	Pack Q.ty
F1	32	**540061**	1
F2	32	**540062**	1
F3	50	**540063**	1
F4	50	**540064**	1
F5	80	**540065**	1
F6	80	**540066**	1

Uses:
they close unused windows. Make wiring easier as they increase the internal volume of the enclosure.



ALUPRES SERIES
Flat closing aluminium alloy flanges with threaded metric pitch, for enclosures with hinged walls
IP67

For windows	Threading	Palazzoli code	Pack Q.ty
F0	M25	**541050**	1
F1	M25	**541055**	1

Complementary items:
cable glands on page 144.



ALUPRES SERIES
Flat closing aluminium alloy flanges with threaded metric pitch, for enclosures with hinged walls
IP67

For windows	Threading	Palazzoli code	Pack Q.ty
F1	M32	**540180**	1
F2	M32	**540185**	1
F2	M40	**540186**	1
F3	M40	**540190**	1
F4	M40	**540193**	1
F5	M50	**540195**	1

Complementary items:
cable glands on page 144.

Dimensions page 408



ALUPRES SERIES
Flat closing aluminium alloy flanges with cable gland, for containers with window walls
IP67

For windows	Ring nut diameter (mm)	Gasket diameter (mm)	Threading	Palazzoli code	Pack Q.ty
F0 (insulating mat.)	16	9÷12	1/2"	**541010**	1
F0 (insulating mat.)	20	14÷16	3/4"	**541020**	1
F0	16	9÷12	1/2"	**541080**	1
F0	20	12÷16	3/4"	**541090**	1
F0	25,5	17÷20	1"	**541030**	1
F1	16	9÷12	1/2"	**541011**	1
F1	20	14÷16	3/4"	**541021**	1
F0	16	9÷12	1/2"	**541040**	1

Characteristics:
suitable for entry with threaded conduits code 541040 with 2 separate access points.



ALUPRES SERIES
Raised closing aluminium alloy flanges with cable gland, for containers with window walls
IP67

For windows	Ring nut diameter (mm)	Gasket diameter (mm)	Threading	Palazzoli code	Pack Q.ty
F1	25,5	16÷22	1"	**540151**	1
F1	36	25÷26	1" 1/4	**540141**	1
F2	25,5	16÷22	1"	**540152**	1
F2	36	25÷26	1" 1/4	**540142**	1
F3	41,5	34÷35	1" 1/2	**540153**	1
F4	41,5	25÷35	1" 1/2	**540154**	1
F5	50	33÷44	2"	**540145**	1
F6	70	63÷64	2" 3/4	**540156**	1

Uses:
suitable for entry with threaded conduits. Make wiring easier as they increase the internal volume of the enclosure.



ALUPRES SERIES
Raised closing flanges in aluminium alloy with double cable gland, for enclosures with hinged walls
IP67

For windows	Ring nut diameter (mm)	Gasket diameter (mm)	Threading	Palazzoli code	Pack Q.ty
F1	20	12÷16	3/4"	**540161**	1
F2	25,5	16÷22	1"	**540162**	1
F3	36	25÷26	1" 1/4	**540163**	1
F4	41,5	25÷35	1" 1/2	**540164**	1
F5	50	33÷44	2"	**540165**	1

Uses:
suitable for entry with cables or threaded conduits.



ALUPRES SERIES
Spacer unions in aluminium alloy for windows
IP67

For windows	Thickness (mm)	Palazzoli code	Pack Q.ty
F0	32	**547000**	1
F1	50	**547011**	5
F3	55	**547033**	1
F5	60	**547055**	1
F6	140	**547067**	1

Uses:
it creates space between junction boxes and the control devices, making wiring operations easier.

Dimensions page 408





SAFE 165
For general distribution board applications



SAFE 164
In wall-mounted enclosures

SAFE series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60529 CEI EN 60269-1	IEC 60529 IEC 60269-1
Protection rating:	IP55/IP65	
Impact resistance:	> IK 10	
Glow wire test:	960°C	
Self-extinguishing grade:	V0	
Temperature resistance:	Operating: Storage:	-40°C - +70°C -50°C - +80°C



SAFE SERIES
Three-pole fuse-holder bases for Diazed fuses - 500V

Rated current (A)	Fuse	Dimensions (mm)	Palazzoli code	Pack Q.ty
25	E16 (NDz) reduced	72x56x67	**347071**	1
	E16 (NDz) reduced	72x56x67	**347081**	5
	E16 (NDz)	77x98x76	**347082**	5
	E27 (DII)	97x99x80	**347083**	5
63	E33 (DIII)	104x100x90	**347085**	2

Characteristics:
ceramic bases code. 347071 two-pole type.
Complementary items:
fuses on page 167.



SAFE SERIES
Fuse-holder bases for ACR fuses - 500V

Rated current (A)	Poles	Fuse	Dimensions (mm)	Palazzoli code	Pack Q.ty
100	1	GR. 00	36x120	**337010**	1
	3	GR. 00	104x138x83	**337050**	1
160	3	GR. 0	164x170x78	**337062**	1
250	1	GR. 1	50x200	**337033**	3
	3	GR. 1	200x205x86	**337063**	1

Characteristics:
100 A version with flat terminals on insulating ceramic base. 160A and 250A version with bolted clamps on insulating ceramic blocks and steel sheet base.
Complementary items:
fuses on page 167.



SAFE SERIES
Protective cap for terminals in insulating material for Diazed fuse-holder bases

For bases code	Palazzoli code	Pack Q.ty
347071 / 347081	**347981**	1



SAFE SERIES
Fuse-holder units for distribution boards 500V

Rated current (A)	Poles	Fuse	Dimensions (mm)	Palazzoli code	Pack Q.ty
100	3	GR. 00	150x200	**333071**	1
160	3	GR. 0	180x230	**333072**	1
250	3	GR. 1	230x300	**333063**	1
630	3	GR. 3	300x300	**333075**	1

Characteristics:
three-pole fuse-holder removable covers with simultaneous control, supplied without fuses.
Complementary items:
fuses on page 167.

Product specifications page 165
Dimensions page 420



SAFE SERIES
Fuse-holder unit in watertight modular container in insulating material with internal cap for protective insulation 500V IP65

Rated current (A)	Poles	Windows	Fuse Fusibile	Dimensions (mm)	Palazzoli code	Pack Q.ty
100	3	a / a	GR. 00	185x250	**333141**	1
160	3	b / b	GR. 0	250x250	**333142**	1
250	3	b / b	GR. 1	250x370	**333163**	1

Equipment:
free windows with gaskets and screws. Flanges not supplied.
Characteristics:
supplied without fuses. Fuse unit with simultaneous control. Removable three-pole fuse-holder cover.
Complementary items:
fuses on page 167, flanges on page 133.



SAFE SERIES
Fuse-holder unit in watertight modular aluminium alloy enclosure 500V
IP55

Rated current (A)	Poles	Windows	Fuse	Dimensions (mm)	Palazzoli code	Pack Q.ty
63	2	F1 / F1	E33 (DIII)	125x125	**341065**	1
	3	F1 / F1	E33 (DIII)	125x125	**341075**	1

Equipment:
free windows with gaskets and screws.
Characteristics:
supplied without fuses.
Complementary items:
fuses on page 167, flanges on page 137.



SAFE SERIES
Fuse-holder unit in watertight modular aluminium alloy container with internal cap for protective insulation 500V
IP55

Rated current (A)	Poles	Enclosure (mm)	Windows Finestre	Fuse	Palazzoli code	Pack Q.ty
100	3	185x252	F3 / F3	GR. 00	**333051**	1
160	3	220x315	F3 / F3	GR. 0	**333032**	1
630	3	373x373	F6 / F6	GR. 3	**333055**	1

Equipment:
free windows with gaskets and screws. Flanges not supplied.
Characteristics:
supplied without fuses.
Complementary items:
fuses on page 167, flanges on page 137.

Product specifications page 165
Dimensions page 420



SAFE SERIES
Cylindrical fuses

Rated current (A)	Type	Palazzoli code	Pack Q.ty
2	Ø 8,5x23 220V	**302091**	10
4	Ø 8,5x23 220V	**302092**	10
6	Ø 8,5x23 220V	**302093**	10
10	Ø 8,5x23 220V	**302095**	10
16	Ø 8,5x23 220V	**302097**	10
4	Ø 8,5x32 380V	**302192**	10
6	Ø 8,5x32 380V	**302193**	30
10	Ø 8,5x32 380V	**302195**	30
16	Ø 8,5x32 380V	**302197**	30



SAFE SERIES
Diazed fast fuses - 500V

Rated current (A)	Fuse-holder base	Palazzoli code	Pack Q.ty
16	E16 (NDz)	**348117**	25
25	E16 (NDz)	**348122**	25
30	E16 (NDz)	**348123**	25
32	E33 (DIII)	**348326**	25
63	E33 (DIII)	**348333**	5



SAFE SERIES
Diazed delayed fuses - 500V

Rated current (A)	Fuse-holder base	Palazzoli code	Pack Q.ty
16	E16 (NDz)	**349117**	25
25	E16 (NDz)	**349122**	25
30	E16 (NDz)	**349123**	25
16	E27 (DII)	**349217**	25
32	E33 (DIII)	**349326**	25
63	E33 (DIII)	**349333**	5



SAFE SERIES
ACR fuses with high breaking capacity - 500V

Rated current (A)	Fuse-holder base	Palazzoli code	Pack Q.ty
100	GR.00	**339039**	3
125	GR.00	**339041**	3
200	GR.1	**339147**	3
250	GR.1	**339150**	3
400	GR.2	**339259**	3
630	GR.3	**339367**	1



SAFE SERIES
Handle for extracting ACR fuses

For fuses	Palazzoli code	Pack Q.ty
GR.00-0-1-2-3	**339998**	10
GR. 00	**339988**	1

Characteristics:
code 339988 is to be used with devices code 283053, code 293053, code 337010, code 337050 and 125A interlocked socket-outlets.

Sirens and bells for alarms and signalling





ALARM 169
Sirens



ALARM 169
Bells

ALARM series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60529	IEC 60529
Protection rating:	IP66	
Impact resistance:	> IK 10	
Temperature resistance:	Operating:	-40°C - +70°C
	Storage:	-50°C - +80°C



ALARM SERIES
Watertight sirens with vibrating diaphragm for extended operation in aluminium alloy enclosure
IP66

Rated voltage	Frequency	1 metre sound level (dB)	Power (VA)	Cable gland	Palazzoli code	Pack Q.ty
24V~	50/60Hz	107/105	60VA initial vibrating 25VA	M20	**900453**	1
110V~	50/60Hz	107/105	60VA initial vibrating 25VA	M20	**900463**	1
230V~	50/60Hz	107/105	60VA initial vibrating 25VA	M20	**900473**	1

Equipment:
cable gland with gasket, terminal block in insulating thermosetting (GRP) material.
Characteristics:
extended operation with 1 hour pause every 4 hours.



ALARM SERIES
Directional horn for sirens

Diameter max (mm)	Projection of of siren+horn (mm)	Palazzoli code	Pack Q.ty
112	238	**900448**	1

Equipment:
inclusive of stainless steel fixing screws.



ALARM SERIES
Watertight bells for continuos operation in aluminium alloy enclosure
IP66

Rated voltage	Drum diameter (mm)	1 metre sound level (dB)	Power (VA)	Cable gland	Palazzoli code	Pack Q.ty
24V~	105	101	initial 13VA 11VA vibrating	M20	**900253**	1
110V~	105	101	initial 13VA 11VA vibrating	M20	**900263**	1
230V~	105	101	initial 13VA 11VA vibrating	M20	**900273**	1

Equipment:
cable gland with gasket, terminal block in insulating thermosetting (GRP) material.
Characteristics:
drum in painted and zinc-plated steel. These are suitable for continuous or extended operation. Earth screws inside and outside the box.

Spare parts page 373
Product specifications page 169
Dimensions page 420

SMALL DEVICES IN MODULAR ENCLOSURES

The products and recommended applications

SERVICE SECTOR		INDUSTRY			MAJOR FIRE RISK	SPECIAL
Bar Motorway cafes Wellness centres Hypermarkets Offices Trade fairs Photographic studios	Parks Outlet Squares Playgrounds	Plastic moulding Manifatturiero Textile Technical rooms	Wineries Dairies Butchers Canning industries Ham factory Feed mills	Rails Oil Metallurgical industry Mechanical Pharmaceuticals Chemical Cement factory Airport steel industry Motor racetracks	Schools Museums Libraries Shopping centres Hotels Hospitals Deposits and warehouses Public entertainment centres	Foundries Mining extractions Carboniferous

THERMOPLASTIC



domoTER IP40



domoTER IP55

THERMOSETTING (GRP)



TAIS-MIGNON IP67

ALUMINIUM ALLOY



ALUPRES IP55





domoTER 174
With thermoplastic enclosure



TAIS MIGNON 180
With thermosetting (GRP) enclosure



TAIS MIGNON 185
Panel mounting with thermosetting (GRP) enclosure



RONDÓ 189
With aluminium alloy enclosure

domoTER SERIES
PRIMA



Code	Description	Q.ty
579620	9 module 2 interlocked socket-outlet distribution board	1
495126	Interlocked socket-outlet≒16A 2P+≒ 230V	1
579718	Flange for two industrial topTER socket-outlets and/or domoTER caps for domestic socket-outlets	1
579847	Cap for domoTER socket-outlets	1
630050	Dual amp domoTER socket-outlet P11/P17	2
489126	Distribution board socket-outlet topTER 16A 2P+≒ 230V	1

domoTER SERIES
topTER fixed socket-outlets



Code	Description	Q.ty
579826	16 module 6 fixed socket-outlet distribution board	1
579847	Cap for domoTER socket-outlets	3
630052	Standard Italian dual amp/German domestic fixed socket-outlets P17/P30	2
630050	Dual amp domoTER socket-outlet P11/P17	2
489126	Distribution board socket-outlet topTER 16A 2P+≒ 230V	2
489136	Distribution board socket-outlet topTER 16A 2P+≒ 400V	1

domoTER SERIES
topTER interlocked socket-outlets



Code	Description	Q.ty
579743	16 module 3 interlocked socket-outlet distribution board	1
491136	Interlocked socket-outlet≒ 16A 2P+≒4000V	1
579714	Flange for two industrial topTER socket-outlets and/or domoTER caps for domestic socket-outlets	2
489136	Distribution board socket-outlet topTER 16A 2P+≒ 400V	2
579847	Cap for domoTER socket-outlets	2
630052	Standard Italian dual amp/German domestic fixed socket-outlet P17/P30	1
630050	Dual amp domoTER socket-outlet P11/P17	2



domoTER SERIES

Domestic protection

Devices for domestic use and similar

TECHNIQUE

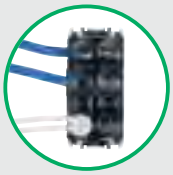
The domoTER series consists of a complete and carefully studied range of devices for controlling, Italian and international standards using energy, dedicated using energy, TV, data, optical signals and fuse protections. There is a choice of devices designed to insert 1 to 3 module protected and watertight enclosures. The plug versions⏚for 250V lines are available in Italian and German standards, with safety shutter and lateral/central earth. For telephone and data transmission applications, several types of connectors that comply with the most widely used and advanced international wiring standards are available. Thanks to special technical accessories, it is possible to install domoTER on DIN rail and in topTER series distribution boards. The precise, modern design, and the quality of materials used make this series particularly suitable for domestic, service sector and advanced service sector use. All products in the domoTER range that require the IMQ patent in compliance with the Reference standards obtained it.

Trademarks, symbols, awards

- Multi-function device

- Switch, deviator and button

THE ADVANTAGES



EXTREMELY VERSATILE

The multi-function device allows the realisation of all electrical schemes needed for the assembly of a system: 1P, 2P Switch, Deviator and Button. DomoTER can be installed in watertight and protected wall enclosures or can be mounted on DIN rails, by using special mountings.



MAXIMUM MODULARITY

DomoTER is integrable with topTER, PRIMA and TER distribution boards and allows the realisation of multi-function socket-outlet boards.



MAXIMUM MULTI-TASK

The devices can be installed in watertight and protected enclosures and thanks to the special mountings they can be mounted on DIN rails as well.

domoTER series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60669-1	CEI 23-50
Protection rating:	IP44 / IP55	
Mechanical resistance:	> IK 08	
Glow wire test:	850°C	
Self-extinguishing grade:	V1	
Insulation:	double ⧈	
Temperature resistance:	Operating:	-15°C - +50°C
	Storage:	-30°C - +70°C



domoTER SERIES
Wall-mounting protected enclosures for modular devices
IP40

Dimensions (mm)	No. modules	Colour	Palazzoli code	Pack Q.ty
76x82x58	1	Grey RAL 7035	**630001**	36
98x82x58	2	Grey RAL 7035	**630002**	36
120x82x58	3	Grey RAL 7035	**630003**	24



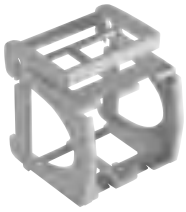
domoTER SERIES
Wall-mounted watertight enclosures
for modular devices
IP55

Dimensions (mm)	No. modules	Colour	Palazzoli code	Pack Q.ty
76x82x58	1	Grey RAL 7035	**630011**	36
98x82x58	2	Grey RAL 7035	**630012**	36
120x82x58	3	Grey RAL 7035	**630013**	24



domoTER SERIES
1 module support
for installation on rail
EN 50022

Dimensions (mm)	No. modules	Colour	Palazzoli code	Pack Q.ty
EN 50022 rail	1	Grey RAL 7035	**630021**	20



domoTER SERIES
2 module support
for installation on rail
EN 50022

Dimensions (mm)	No. modules	Colour	Palazzoli code	Pack Q.ty
EN 50022 rail	2	Grey RAL 7035	**630022**	20

Dimensions
page 421



domoTER SERIES
Standard Italian bi-directional fixed **domestic socket-outlet** 250V

Rated current (A)	Rated voltage	Pole number	Pin distance	Type	No. modules	Palazzoli code	Pack Q.ty
10/16	250V	2P+⏚	19/26	P11/P17	1	**630050**	20

Characteristics: recepticles with protective screens.



domoTER SERIES
UNEL bi-directional Italian/German **domestic** socket-outlet 250V

Rated current (A)	Rated voltage	Pole number	Pin distance	Type	No. modules	Palazzoli code	Pack Q.ty
10/16	250V	2P+⏚	19/26	P17/P30	2	**630052**	8

Characteristics: recepticles with protective screens.



domoTER SERIES
UNEL domestic **standard Italian/German socket-outlet** 250V

Rated current (A)	Rated voltage	Pole number	Pin distance	Type	No. modules	Palazzoli code	Pack Q.ty
16	250V	2P+⏚	26	P30	2	**630051**	8

Characteristics: recepticles with protective screens.



domoTER SERIES
UNEL safety **red** standard **Italian/German** domestic socket-outlet 250V

Rated current (A)	Rated voltage	Pole number	Pin distance	Type	No. modules	Palazzoli code	Pack Q.ty
16	250V	2P+⏚	26	P30	2	**630053**	8

Characteristics: recepticles with protective screens.



domoTER SERIES
UNEL safety **red** standard **Italian/German** domestic socket-outlet 250V

Rated current (A)	Rated voltage	Pole number	Pin distance	Type	No. modules	Palazzoli code	Pack Q.ty
10/16	250V	2P+⏚	19/26	P17/P30	2	**630054**	8

Characteristics: recepticles with protective screens.



domoTER SERIES
Multi-function **device**, 1P or 2P switch, 1P deviator, NO/NC button 16A 250V

Function (mm)	No. modules	Palazzoli code	Pack Q.ty
1P or 2P switch, NO 1P or 2P button Deviator 1P, button NC 1P	1	**630030**	20

Complementary items: Signal lamp code 630091.
Characteristics: code 630030 is the "NA button". To obtain the Switch and Deviator layouts, remove the spring located underneath the button with a screwdriver and create the wiring according to the layouts on page 177.



domoTER SERIES
Line reversing switch 16A 250V

No. poles	No. modules	Palazzoli code	Pack Q.ty
1	1	**630031**	20

Dimensions page 421



domoTER SERIES
Standard British socket-outlet

Rated current (A)	Rated voltage	Pole number	No. modules	Palazzoli code	Pack Q.ty
13	250V	2P+⏚	2	**630056**	8



domoTER SERIES
Standard French socket-outlet

Rated current (A)	Rated voltage	Pole number	No. modules	Palazzoli code	Pack Q.ty
16	250V	2P+⏚	2	**630055**	8



domoTER SERIES
Italian standard socket-outlet

Rated current (A)	Rated voltage	Pole number	No. modules	Palazzoli code	Pack Q.ty
16	250V	2P+⏚	2	**630057**	8



domoTER SERIES
TV-SAT female coaxial socket-outlet

Standard	No. modules	Palazzoli code	Pack Q.ty
TV 9,5 mm final	1	**630070**	20
TV 9,5 mm though/final	1	**630071**	20



domoTER SERIES
Rj socket-outlet

Description	No. modules	Palazzoli code	Pack Q.ty
Rj 12 6/6 contacts	1	**630080**	20
Rj 45 CE category	1	**630081**	20

Dimensions
page 421



domoTER SERIES
1P fuse-holder
for fuses 5x10mm
16A max - 250V

Fuse	Number modules	Rated current max (A)	Palazzoli code	Pack Q.ty
5x10mm	1	16A	**630035**	2



domoTER SERIES
Signalling lamp
230V -50-60Hz

Diffuser colour	Number modules	Palazzoli code	Pack Q.ty
White	1	**630040**	20
Red	1	**630041**	20
Green	1	**630042**	20



domoTER SERIES
Module cap

Description	No. modules	Palazzoli code	Pack Q.ty
Module cap	1	**630090**	100



domoTER SERIES
Lamp with 100m cable

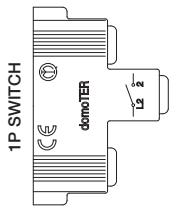
No. modules	Palazzoli code	Pack Q.ty
1	**630091**	200

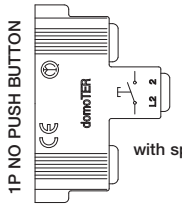
Characteristics: can be inserted into the multi-task device code 630030 and can be used as spare part for domoTER signalling lamp.

Diagram for multi-function device use

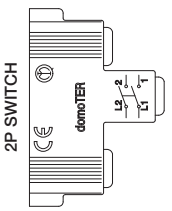
functions

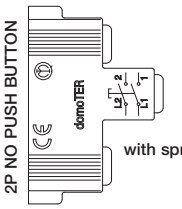
- 1P Switch
- 1P NO Button



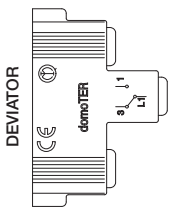


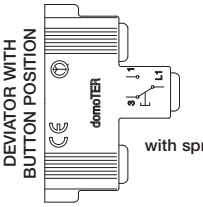
- 2P Switch
- 2P NO Button



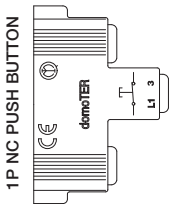


- Deviator
- Deviator
  with button position

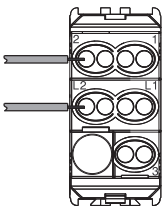


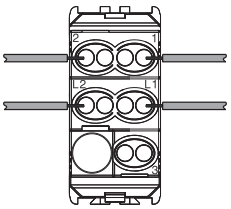


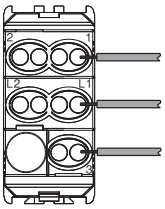
Button 1P NC

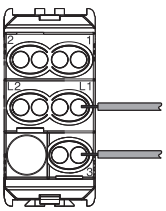


configuration









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Code 101081 Box IP65

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Code 101221 Panel-mounting box

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Code 101092 Panel-mounting box

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Code 101191 Panel-mounting box

Accessories


Coupling fittings with gaskets IP67

Hole 1/2" Gas 590002

Hole 3/4" Gas 590004

Examples of combinations



Compatibility socket-outlets/supports with boxes for panel and wall-mounting

Socket-outlets	Flange Dimensions (mm)	Panel box 101221	Wall box 101092	Wall box 101191
Low voltage 2P+⏚	62x80	●	●	
Low voltage 3P+⏚	62x80		●	
Low voltage 3P+N+⏚	77x102			●
Very low voltage 2P and 3P	62x80	●	●	
Supports	62x80	●	●	



TAIS-MIGNON series

Impact resistance quality

Small devices
for walls
flush-mounted



Mechanical impact resistance

TECHNIQUE

This is a complete and varied range of devices for controlling, using energy and signalling integrated in watertight modular enclosures with miniature dimensions. The offer is made up of devices for wall-mounting and panel flush-mounting. Totally made of reinforced thermosetting (GRP) material, they have a high protection rating of up to IP67, high resistance against impacts, vibrations and aggressive chemical substances. This series of devices uses switch components with contact in silver alloy, single or double opening suitable for prolonged use and under heavy working loads. The high protection rating is guaranteed by the use of a sealing membrane, which seals and separates the functioning components from the controlling ones. The pins and plug contacts are made from solid brass bars with a high level of copper. The external screws and the cover springs are made in stainless steel. The enclosures from the TAIS MIGNON series are made in reinforced technopolymer, with excellent dimensional stability, non-deformability, and resistance to extreme heat conditions and to fire, to the action of chemical and atmospheric agents, and to mechanical stresses even at very low temperatures; thanks to these characteristics, the material used for making these enclosures assures the maximum results in any environment, even when chemically aggressive, allowing the external system installation where there are extreme temperature changes, either tropical or polar. TAIS MIGNON is suitable for the installation of electrical systems in environments under extreme risk of fire (CEI 64-8/7 sect. 751).

THE ADVANTAGES



EASY TO INSTALL

All the wall-mounting enclosures have threaded holes with a Gas coupling for entering the cables. The cable glands supplied can be replaced by normal universal fittings for entering the conduit.



IT DOES NOT BURN

The enclosure is in thermosetting (GRP) material, does not propagate flame, does not generate smoke, does not emit halogens and does not age.



TOTAL SAFETY

The high protection rating IP67 and high mechanical resistance of the control devices ensure safety and continuity of operation even in the most heavy duty situations.

TAIS-MIGNON series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60309-1	CEI 23-5
	CEI EN 60309-2	CEI 23-16
	CEI EN 60669-1	CEI 23-9
Protection rating:	IP44/IP65/IP66	
Impact resistance:	IK 04	
Glow wire test:	960°C	
Self-extinguishing grade:	V0	
Insulation:	double ⧈	
Temperature resistance:	Operating:	-25°C - +70°C
	Storage:	-50°C - +80°C



TAIS-MIGNON SERIES
Switches in watertight wall-mounting enclosure in thermosetting (GRP) material IP67

Poles	Holes	Enclosure dimensions (mm)	Entries (mm)	Rated current/voltage	Palazzoli code	Pack Q.ty
1P	1/2"	62x80x48	1/2" gas (Ø16/12)	16A 250V~ 10A 400V~	**202271**	10
1P	3/8" 3/8"	62x80x48	3/8" gas (Ø12/10)	16A 250V~ 10A 400V~	**202261**	1
2P	3/8" 3/8"	62x80x48	3/8" gas (Ø12/10)	16A 250V~ 10A 400V~	**202262**	10
2P	1/2" 1/2"	62x80x48	1/2" gas (Ø16/12)	16A 250V~ 10A 400V~	**202282**	10
3P	1/2" 1/2"	62x80x48	1/2" gas (Ø16/12)	16A 400V~	**202283**	10

Equipment:
cable glands with gaskets.
Characteristics:
Code 202271 can be used with two opposite inlets using the gas cable gland code 580102.
Code 202282 and 202283 can also be used with just one entry through the screwcap code 580052.
Code 202283 with double breaking contacts.



TAIS-MIGNON SERIES
Two-way switches in watertight wall-mounting enclosure in thermosetting (GRP) material IP67

Poles	Holes	Enclosure dimensions (mm)	Entries (mm)	Rated current/voltage	Palazzoli code	Pack Q.ty
1P	1/2"	62x80x48	1/2" gas (Ø16/12)	16A 250V~ 10A 400V~	**202276**	10
1P	3/8" 3/8"	62x80x48	3/8" gas (Ø12/10)	16A 250V~ 10A 400V~	**202266**	1

Equipment:
cable glands with gaskets.
Characteristics:
Code 202276 can be used with two opposite inlets using the gas cable gland code 580102.



TAIS-MIGNON SERIES
Selector switches in watertight wall-mounted enclosure in thermosetting (GRP) material IP67

Poles	Holes	Enclosure dimensions (mm)	Entries (mm)	Rated current/voltage	Palazzoli code	Pack Q.ty
1P	1/2"	62x80x48	1/2" gas (Ø16/12)	16A 250V~ 10A 400V~	**202275**	1
1P	3/8" 3/8"	62x80x48	3/8" gas (Ø12/10)	16A 250V~ 10A 400V~	**202265**	1

Equipment:
cable glands with gaskets.
Characteristics:
Code 202275 can be used with two opposite inlets using the gas cable gland code 580102.
By removing the rear bond, the device becomes a double single-pole switch.

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TAIS-MIGNON SERIES
Push-buttons in watertight wall-mounting enclosure in thermosetting (GRP) material
IP67

Poles	Holes	Enclosure dimensions (mm)	Entries type (mm)	Rated current/voltage	Palazzoli code	Pack Q.ty
1 NA	1/2"	62x80x51	1/2" gas (Ø16/12)	10A 400V~	**261435**	10
1 NA	3/8" 3/8"	62x80x51	3/8" gas (Ø12/10)	10A 400V~	**261403**	1
1 NC	1/2"	62x80x51	1/2" gas (Ø16/12)	10A 400V~	**261445**	1
1 NC	3/8" 3/8"	62x80x51	3/8" gas (Ø12/10)	10A 400V~	**261413**	1

Equipment:
cable glands with gaskets.
Characteristics:
Code 261435 and 261445 can be used with two opposite inlets using the gas cable gland code 580102.



TAIS-MIGNON SERIES
On-off push-button panel in watertight wall-mounted enclosure in thermosetting (GRP) material
IP67

Holes	Enclosure dimensions (mm)	Entries (mm)	Rated current/voltage	Palazzoli code	Pack Q.ty
1/2"	62x80x51	1/2" gas (Ø16/12)	10A 400V~	**261433**	1

Equipment:
cable glands with gaskets.
Characteristics:
Can be used with two opposite inlets using the gas cable gland code 580102.



TAIS-MIGNON SERIES
Wall-mounted socket-outlets in protected enclosure in thermosetting (GRP) material 250V~
IP44

Description	Holes	Enclosure dimensions (mm)	Entries	Palazzoli code	Pack Q.ty
Schuko 2P+T 10/16A UNEL (with side earth) size 19mm	1/2"	62x80x65	1/2" gas (Ø16/12mm)	**431237**	10

Equipment:
no. 1 cable gland with gasket.
Characteristics:
can be used with two opposite inlets using the gas cable gland code 580102.



TAIS-MIGNON SERIES
Wall-mounted enclosures for modular devices from the Ticino Magic series in thermosetting (GRP) material with transparent door
IP44

Holes	Enclosure dimensions (mm)	Entries (mm)	Installable device modules	Palazzoli code	Pack Q.ty
1/2" 1/2"	62x80x62	1/2" gas (Ø16/12)	1	**559021**	8
3/8" 3/8"	62x80x62	3/8" gas (Ø12/10)	1	**559031**	8
1/2" 1/2"	62x80x62	1/2" gas (Ø16/12)	1+1	**559022**	1
3/8" 3/8"	62x80x62	3/8" gas (Ø12/10)	1+1	**559032**	1

Equipment:
no. 1 cable gland with gasket.
Characteristics:
Code 559021 and 559022 can be used with just one inlet through the supplied screwcap.

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TAIS-MIGNON SERIES
Protected wall-mounted enclosures for domoTER series modular socket-outlets
IP44

Holes	Enclosure dimensions (mm)	Entries (mm)	Installable device modules	Palazzoli code	Pack Q.ty
1/2"	62x80x62	1/2" gas (Ø16/12)	2	**559232**	1

Equipment:
no. 1 cable gland with gasket.
Characteristics:
can be used with two opposite inlets using the gas cable gland code 580102.
Complementary items:
domoTER socket-outlets on page 175.



TAIS-MIGNON SERIES
Protected wall-mounted industrial socket-outlets, low voltage, in thermosetting (GRP) material enclosure
IP44

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**471204**	10
	50-60Hz	110V	yellow	3P+⏚	4	**471284**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**471294**	1
	50-60Hz	230V	blue	2P+⏚	6	**471304**	10
	50-60Hz	230V	blue	3P+⏚	9	**471314**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**471324**	1
	50-60Hz	400V	red	2P+⏚	9	**471404**	1
	50-60Hz	400V	red	3P+⏚	6	**471414**	1
	50-60Hz	400V	red	3P+N+⏚	6	**471424**	1

Equipment:
2P+⏚ and 3P+⏚ with 1 1/2" cable gland with gasket. 3P+N+⏚ with 1 3/4" cable gland with gasket.
Characteristics:
bush terminals for connecting cables.



TAIS-MIGNON SERIES
Protected wall-mounted industrial socket-outlets, very low voltage, in thermosetting (GRP) material enclosure
IP44

Rated current (A)	Frequency	Rated use voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	24V	violet	2P	-	**471004**	1
	50-60Hz	24V	violet	3P	-	**471094**	1
	50-60Hz	42V	white	2P	12	**471104**	1
	50-60Hz	42V	white	3P	12	**471114**	1

Equipment:
1 1/2" cable gland with gasket.
Characteristics:
bush terminals for connecting cables.

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TAIS-MIGNON SERIES
Signal lamps in watertight wall-mounted enclosure in thermosetting (GRP) material with E14 lampholder IP65

Rated use voltage	Holes	Enclosure dimensions (mm)	Entries (mm)	Diffuser colour	Palazzoli code	Pack Q.ty
250V	1/2"	62x80x78	1/2" gas (Ø16/12)	Red	**800061**	6
250V	1/2"	62x80x78	1/2" gas (Ø16/12)	Green	**800062**	6
250V	1/2"	62x80x78	1/2" gas (Ø16/12)	Transparent	**800063**	6
250V	1/2"	62x80x78	1/2" gas (Ø16/12)	Yellow	**800064**	6

Equipment:
cable gland with gasket.
Characteristics:
can be used with two opposite inlets using the gas cable gland code 580102. Polycarbonate diffusor.
Lampholder E14 for 3C bulbs, 12W max. (excluding bulb).



TAIS-MIGNON SERIES
Fuse-holders with fuses in watertight wall-mounted enclosure in thermosetting (GRP) material IP65

Rated current	Poles	Holes	Enclosure dimensions (mm)	Entries (mm)	Fuse type	Breaking capacity	Palazzoli code	Pack Q.ty
230V	2P	1/2" 1/2"	62x80x46	1/2" gas (Ø16/12)	ø8,5x23	>6kA	**302044**	1
230V	3P	1/2" 1/2"	62x80x46	1/2" gas (Ø16/12)	ø8,5x23	>6kA	**302054**	1
400V	2P	1/2" 1/2"	62x102x46	1/2" gas (Ø16/12)	ø8,5x32	>20kA	**302144**	1
400V	3P	1/2" 1/2"	62x102x46	1/2" gas (Ø16/12)	ø8,5x32	>20kA	**302154**	1

Equipment:
insulating extractors for fuses.

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TAIS-MIGNON SERIES
Watertight wall-mounted modular junction boxes, in thermosetting (GRP) material
IP65

External dimensions (mm)	Holes	Entries (mm)	Palazzoli code	Pack Q.ty
62x80x38	1/2" 1/2"	1/2" gas (Ø16/12)	**101021**	12
62x80x38	1/2" 1/2" 1/2"	1/2" gas (Ø16/12)	**101031**	10
62x80x38	1/2" 1/2" 1/2" 1/2"	1/2" gas (Ø16/12)	**101041**	12
62x80x38	1/2" 1/2" 1/2" 1/2" 1/2"	1/2" gas (Ø16/12)	**101061**	12
77x102x48	1/2" 1/2" 1/2" 1/2" 1/2"	1/2" gas (Ø16/12)	**101151**	10
77x102x48	3/4" 3/4" 3/4" 3/4" 3/4"	3/4" gas (Ø20/16)	**101161**	1

Equipment: cable glands with gaskets come in the same quantity as the no. of entries.
Characteristics: stainless steel screws for fastening covers.
Complementary items: terminal blocks on page 129.



TAIS-MIGNON SERIES
Watertight wall-mounted modular junction boxes, with increased internal capacity, in thermosetting (GRP) material
IP65

External dimensions (mm)	Holes	Entries (mm)	Palazzoli code	Pack Q.ty
62x80x46	1/2" 1/2"	1/2" gas (Ø16/12)	**101022**	10
77x102x55	3/4" 3/4"	3/4" gas (Ø20/16)	**101121**	8

Equipment: cable glands with gaskets come in the same quantity as the no. of entries.
Characteristics: stainless steel screws for fastening covers.
Complementary items: terminal blocks on page 129.



TAIS-MIGNON SERIES
Watertight wall-mounted modular junction boxes, with mantle terminals, in thermosetting (GRP) material
IP65

External dimensions (mm)	Holes	Pole/section terminals	Entries (mm)	Palazzoli code	Pack Q.ty
62x80x38	1/2" 1/2"	4x6 mm²	1/2" gas (Ø16/12)	**101025**	12
62x80x38	1/2" 1/2" 1/2"	4x6 mm²	1/2" gas (Ø16/12)	**101035**	10
62x80x38	1/2" 1/2" 1/2" 1/2"	4x6 mm²	1/2" gas (Ø16/12)	**101045**	12
62x80x38	1/2" 1/2" 1/2" 1/2" 1/2"	5x6 mm²	1/2" gas (Ø16/12)	**101156**	10
77x102x48	3/4" 3/4" 3/4" 3/4" 3/4"	5x6 mm²	3/4" gas (Ø20/16)	**101157**	10

Equipment:
inclusive of 6 mm² mantle terminals.
Cable glands with gaskets come in the same quantity as the no. of entries.
Characteristics:
stainless steel screws for fastening covers.
Complementary items:
gas coupling fitting on page 149.



TAIS-MIGNON SERIES
Watertight wall-mounted modular box, in thermosetting (GRP) material
IP65

External dimensions (mm)	Holes	Entries (mm)	Palazzoli code	Pack Q.ty
125x77x55	3/4" 3/4"	3/4" gas (Ø20/16)	**101081**	12

Equipment:
cable glands with gaskets come in the same quantity as the no. of entries.
Characteristics:
stainless steel screws for fastening covers. The modular dimensions allow combinations with watertight wall-mounted modular boxes and all the TAIS-MIGNON wall-mounted
Complementary items:
terminal blocks on page 129.

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TAIS-MIGNON SERIES
Switches in watertight panel enclosure in thermosetting (GRP) material
IP67

Poles	Rated current/voltage	Flush-mounted dimensions (mm)	Palazzoli code	Pack Q.ty
1P	16A 250V~ 10A 400V~	62x80	**202291**	1
2P	16A 250V~ 10A 400V~	62x80	**202292**	1
3P	16A 400V~	62x80	**202293**	1

Equipment:
with through holes for cable entry as well as accessories for fastening to panel.
Characteristics:
code 202293 with double breaking contacts.



TAIS-MIGNON SERIES
Two-way switch in watertight panel enclosure in thermosetting (GRP) material
IP67

Poles	Rated current/voltage	Flush-mounted dimensions (mm)	Palazzoli code	Pack Q.ty
1P	16A 250V~ 10A 400V~	62x80	**202296**	1

Equipment:
with through holes for cable entry as well as accessories for fastening to panel.



TAIS-MIGNON SERIES
Selector switch in watertight panel enclosure in thermosetting (GRP) material
IP67

Poles	Rated current/voltage	Flush-mounted dimensions (mm)	Palazzoli code	Pack Q.ty
1P	16A 250V~ 10A 400V~	62x80	**202295**	1

Equipment:
with through holes for cable entry as well as accessories for fastening to panel.
Characteristics:
By removing the rear bond, the device becomes a double single-pole switch.



TAIS-MIGNON SERIES
Push-buttons in watertight panel enclosure in thermosetting (GRP) material
IP67

Poles	Rated current/voltage	Flush-mounted dimensions (mm)	Palazzoli code	Pack Q.ty
1 NA	10A 400V~	62x80	**261495**	1
1 NC	10A 400V~	62x80	**261496**	1

Equipment:
with through holes for cable entry as well as accessories for fastening to panel.



TAIS-MIGNON SERIES
On-off push-button panel in watertight panel enclosure in thermosetting (GRP) material
IP67

Rated current/voltage	Flush-mounted dimensions (mm)	Palazzoli code	Pack Q.ty
10A 400V~	62x80	**261493**	1

Equipment:
with through holes for cable entry as well as accessories for fastening to panel.

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TAIS-MIGNON SERIES
Wall-mounted socket-outlets in protected enclosure in thermosetting (GRP) material
250V~
IP44

Flush-mounted dimensions (mm)	Description	Palazzoli code	Pack Q.ty
Ø 50	2P+⏚ 10/16A UNEL pitch 19mm Shuko (with side earth)	**431252**	10

Equipment:
inclusive of captive stainless steel fixing screws.
Characteristics:
they can be fitted on panels with bottom box code 101221 and wall-mounted with box code 101092.



TAIS-MIGNON SERIES
Protected flush-mounting supports for Ticino Magic series modular devices in thermosetting (GRP) material with transparent door
250V~ IP44

Flush-mounted dimensions (mm)	No. installable modules	Palazzoli code	Pack Q.ty
50x50	1	**559011**	1
50x50	1+1	**559012**	1



TAIS-MIGNON SERIES
Protected flush-mounting supports for domoTER series modular socket-outlets 250V~ IP44

Flush-mounted dimensions (mm)	No. installable modules	Palazzoli code	Pack Q.ty
50x50	2	**559132**	15

Equipment:
inclusive of captive stainless steel fixing screws.
Characteristics:
they can be fitted on panels with bottom box code 101221 and wall-mounted with box code 101092.
Complementary items:
domoTER socket-outlets on page 175.



TAIS-MIGNON SERIES
Protected flush-mounted industrial socket-outlets, low voltage, in thermosetting (GRP) material enclosure
IP44

Rated current (A)	Frequency	Rated voltage	Diffuser colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**471254**	10
	50-60Hz	110V	yellow	3P+⏚	4	**471214**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**471224**	1
	50-60Hz	230V	blue	2P+⏚	6	**471354**	1
	50-60Hz	230V	blue	3P+⏚	9	**471364**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**471334**	1
	50-60Hz	400V	red	2P+⏚	9	**471454**	1
	50-60Hz	400V	red	3P+⏚	6	**471464**	1
	50-60Hz	400V	red	3P+N+⏚	6	**471434**	1

Equipment:
inclusive of captive stainless steel fixing screws.
Characteristics:
versions 2P+⏚ can be fitted on panels with bottom box code 101221. Versions 2P+⏚ and 3P+⏚ can be fitted on panels with box code 101092. Versions 3P+N+⏚ can be fitted on panels with box code 101191.

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TAIS-MIGNON SERIES
Protected flush-mounted industrial very low voltage socket-outlets, in enclosure of thermosetting (GRP) material
IP44

Rated current (A)	Frequency	Rated voltage	Diffuser colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	24V	●	2P	-	**471054**	1
	50-60Hz	24V	●	3P	-	**471064**	1
	50-60Hz	42V	○	2P	12	**471154**	1
	50-60Hz	42V	○	3P	12	**471164**	1
32	50-60Hz	24V	●	2P	-	**471056**	1
	50-60Hz	24V	●	3P	-	**471066**	1
	50-60Hz	42V	○	2P	12	**471156**	1
	50-60Hz	42V	○	3P	12	**471166**	1

Equipment:
inclusive of captive stainless steel fixing screws.
Characteristics:
these can be fitted on panels with bottom box code 101221. they can be wall-mounted with box code 101092



TAIS-MIGNON SERIES
Bottom box for fitting TAIS MIGNON series socket-outlets on panels

Flush-mounted dimensions (mm)	Frame dimensions (mm)	Palazzoli code	Pack Q.ty
62x80	73x91x5,5	**101221**	10



TAIS-MIGNON SERIES
Bottom box for wall-mounting TAIS-MIGNON industrial socket-outlets

Flush-mounted dimensions (mm)	Holes	Entries	Palazzoli code	Pack Q.ty
62x80x36	1/2"	1/2" gas (Ø16/12mm)	**101092**	10
77x102x42	3/4"	3/4" gas (Ø20/16mm)	**101191**	1



TAIS-MIGNON SERIES
Signal lamps in watertight panel enclosure in thermosetting (GRP) material with lampholder E14
IP65

Rated current	Diffuser colour	Flush-mounted dimensions (mm)	Palazzoli code	Pack Q.ty
250V	Red	62x80	**800071**	1
250V	Green	62x80	**800072**	1
250V	Transparent	62x80	**800073**	1
250V	Yellow	62x80	**800074**	1

Characteristics:
polycarbonate diffusor. Lampholder E14 for 3C bulbs, 12W max. (excluding bulb). With through holes for cable entry.



TAIS-MIGNON SERIES
Watertight modular panel junction box, in thermosetting (GRP) material
IP65

External dimensions (mm)	Flush-mounted dimensions (mm)	Palazzoli code	Pack Q.ty
73x91	62x80	**202299**	1

Equipment:
with accessories for fastening to panel.
Characteristics:
with through holes for cable entry.

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RONDÓ Series
Indestructible

Small wall-mounted devices for heavy duty use



>IK 10 (30J: 3 KG FROM 1 MT)

TECHNIQUE

All devices from the series have structures in die-cast UNI-5076 Light Alloy, with a high aluminium content, oven-painted internally and externally over a pre-treatment of chromate galvanising for maximum rust resistance.
The heavy thickness of the material used for making these enclosures assures the maximum results in any environment, even when chemically aggressive, and represents perfection in terms of metal structures thanks to the very high resistance to impact. The captive screws for cover closing are made of stainless steel, the gaskets in non-ageing elastomer. The earth connection screws are made of internal and external screws. The control devices and the socket-outlets have internal components made in self-extinguishing thermoplastic technopolymer, with the electrical contact parts treated to meet the needs of the heaviest use.
The aluminium cases, earthed correctly, avoid the accumulation of electrostatic charges on the material's surface.
The elimination of this risk is an important characteristic for operation in places where inflammable materials might be in a dangerous position, like places with major risk in case of fire. The unusual shape, with classic design, makes it ideal for reconstructing systems on show in "country" environments. Rondò is available in different colors upon specific request.

THE ADVANTAGES



CORROSION IMMUNITY
The material used in aluminum alloy with chrome and dust-painted treatment with 180°C polymerised resins makes it resistant to fatigue, other than resistant to corrosion and impacts.



SAFE
They come with earth terminals, provided as standard equipment, both inside and outside the enclosures, capable of correctly connecting the earth connector.



EASY TO INSTALL
All the wall-mounting enclosures have threaded holes with a Gas coupling for entering the cables. The cable glands supplied can be replaced by normal universal fittings for entering the conduit.

RONDÓ series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60669-1	CEI 23-9
Protection rating:	IP66/IP67	
Impact resistance:	> IK 10	
Temperature resistance:	Operating:	-25°C - +70°C
	Storage:	-50°C - +80°C



RONDÓ SERIES
Wall-mounted switches in watertight aluminium alloy enclosure
IP55

Description	Cable glands	Rated current/voltage	Palazzoli code	Pack Q.ty
1P	1x1/2"	16A 250V~ 10A 400V~	**201151**	1
2P	1x1/2"	16A 250V~ 10A 400V~	**201152**	1
2P	2x1/2"	16A 250V~ 10A 400V~	**201162**	1

Equipment:
with 1/2" gas cable glands.
Earth screws inside and outside the box.



RONDÓ SERIES
Wall-mounted two-way switches in watertight aluminium alloy enclosure
IP55

Description	Cable glands	Rated current/voltage	Palazzoli code	Pack Q.ty
1P	1x1/2"	16A 250V~ 10A 400V~	**201156**	1
1P	2x1/2"	16A 250V~ 10A 400V~	**201166**	1

Equipment:
with 1/2" gas cable glands.
Earth screws inside and outside the box.



RONDÓ SERIES
Wall-mounted selector switch in watertight aluminium alloy enclosure
IP55

Description	Cable glands	Rated current/voltage	Palazzoli code	Pack Q.ty
1P	1x1/2"	16A 250V~ 10A 400V~	**201155**	1

Equipment:
with 1/2" gas cable glands.
Earth screws inside and outside the box.

Characteristics:
By removing the rear bond, the device becomes a double single-pole switch.

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RONDÓ SERIES
Wall-mounting push-button in watertight aluminium alloy enclosure
IP55

Description	Cable glands	Rated current/voltage	Palazzoli code	Pack Q.ty
1P N.A.	1x1/2"	10A 400V~	**261021**	1

Equipment:
with 1/2" gas cable glands.
Earth screws inside and outside the box.



RONDÓ SERIES
Concentric plug wall-mounting socket-outlets in aluminium alloy enclosure
IP54

Rated current (A)	Rated voltage	Poles	Cable glands	Palazzoli code	Pack Q.ty
6	25V~50Vcc	2P	1x1/2"	**401030**	1
10	25V~50Vcc	2P	1x1/2"	**401031**	1

Equipment:
with 1/2" gas cable gland.
Internal and external earth screws.



RONDÓ SERIES
Signal lamps in wall-mounted aluminium alloy enclosure
IP54

Rated voltage	Cable glands	Diffuser colour	Lamp max. wattage (W)	Palazzoli code	Pack Q.ty
250V	1x1/2"	Red	12	**800121**	1
250V	1x1/2"	Green	12	**800122**	1
250V	1x1/2"	Transparent	12	**800123**	1

Equipment:
with 1/2" gas cable gland. external earth scew.
Characteristics:
lampholder E14 for 3C bulbs, 12W max. (excluding bulb).



RONDÓ SERIES
Wall-mounted junction boxes, in aluminium alloy
IP54

Internal diameter (mm)	Cable glands	Palazzoli code	Pack Q.ty
Ø 62	2x1/2"	**112020**	1
Ø 62	3x1/2"	**112030**	10
Ø 62	4x1/2"	**112040**	1
Ø 82	2x3/4"	**113020**	1
Ø 82	3x3/4"	**113030**	10
Ø 82	4x3/4"	**113040**	1

Equipment:
earth screws inside and outside the box.
Complementary items:
junction terminal blocks: code 112094 for Ø 62mm boxes
code 113094 for Ø 82mm boxes

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SPIN series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI 23-5	
	CEI 23-50	
	CEI 23-16	
Protection rating:	IP20 / IP44 / IP54	
Impact resistance:	> IK 10 rubber / > IK 08 thermoplastic	
Temperature resistance:	Operating:	-25°C - +50°C
	Storage:	-30°C - +70°C



SPIN SERIES
German standard protected plug in impact-proof rubber 250V~ IP44

Pins	Pin distance	Colour	Palazzoli code	Pack Q.ty
Ø 4,8	19	Blue	**437012**	10

Characteristics:
cable entry hole Ø 11.5 mm. IP44 with plug inserted.



SPIN SERIES
German 90° angled protected plug in impact-proof rubber 250V~ IP44

Pins	Pin distance	Colour	Palazzoli code	Pack Q.ty
Ø 4,8	19	Blue	**437022**	10

Characteristics:
cable entry hole Ø 11.5 mm. IP44 with plug inserted.



SPIN SERIES
German standard protected plug in thermoplastic material 250V~ IP20

Pins	Pin distance	Colour	Palazzoli code	Pack Q.ty
Ø 4,8	19	Blue	**437152**	10

Characteristics:
cable entry hole Ø 11,5 mm. IP 44 with sleeve code 590021 and plug inserted



SPIN SERIES
Concentric pin plugs IP20

Rated current (A)	Rated voltage use	Poles	Palazzoli code	Pack Q.ty
6	25V~ 50Vcc	2P	**407030**	1
10	25V~ 50Vcc	2P	**407031**	1

Characteristics:
IP54 with sleeve code 590021 Smooth hole passage.



SPIN SERIES
Cable protection sleeve for plugs

Manufacture material	Colour	Palazzoli code	Pack Q.ty
Non-ageing elastomer	Black	**590021**	1

Uses:
it increases the 407030, 407031 and IP44 plug IP54 protection rating code 437152.

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NAUTILUX 194
For indoors



NAUTILUX 196
For outdoors



NAUTILUX 197
Technical accessories

INTERIOR LIGHTING UNITS
NAUTILUX SERIES

For indoors

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Oval lighting fixtures, in brass
75W-150W
IP44

page 194



Code 861211
Oval lighting fixtures, in brass
23W electronic
IP44

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Code 860211
Applique fixture in brass
75W
IP44

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Applique fixture in anodized aluminium
65W-75W-150W
IP44

page 195



Pendant lamp in brass
40W
IP22

page 195



Code 861510
Chain in brass
IP22

page 195



Pendant lamp in brass
40W
IP22

For outdoors

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Oval lighting fixtures, in brass
75W-150W
IP66

page 196



Code 860211
Oval lighting fixtures, in brass
23W electronic
IP66

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Code 860211
Cylindrical lighting fixture in brass
100W IP66

page 196



Code 860900
Plate for wall installation
IP66

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Code 860990
Plate for wall installation
IP66

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Code 860240
Large lighting fixture in brass
200W
IP66

Common technical accessories

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Code 861550
Rotary control switch
1P 10A
IP66

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Code 861551
Junction enclosures with terminal block
4x6 mm^2
IP66

NAUTILUX series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60598-1	
	CEI EN 60598-2-1	CEI 34-23
	CEI EN 60238	
Protection rating:	IP22 / IP44 / IP66	
Impact resistance:	> IK 10	
Temperature resistance:	Operating:	-40°C - +70°C
	Storage:	-50°C - +80°C
Casing:	Polished and painted solid brass	
Diffuser:	Etched and heat-resistant glass	
Lampholder:	E27 in porcelain	



NAUTILUX SERIES
Cylindrical wall luminaire in polished solid brass, diffuser in etched and heat-resistant moulded glass
250V - IP44

Lamp max (W) wattage	Lampholder No.	type	Connection	Palazzoli code	Pack Q.ty
75	1	E27	With protected terminal block	**861140**	1



NAUTILUX SERIES
Indoor oval lighting fixtures in polished solid brass, diffuser in etched and heat-resistant moulded glass
250V - IP44

Lamp max. (W) wattage	Lampholder No.	type	Cable entry	Palazzoli code	Pack Q.ty
75	1	E27	Rear with stepped gland	**861100**	1
150	1	E27	Rear with stepped gland	**861200**	1



NAUTILUX SERIES
Cylindrical wall luminaire in painted aluminium, ribbed glass diffuser
250V - IP44

Lamp. max. (W) wattage	Lampholder No.	type	Connection	Palazzoli code	Pack Q.ty
60	1	E27	With protected terminal block	**816071**	1
75	1	E27	With protected terminal block	**816171**	1
150	1	E27	With protected terminal block	**816271**	1



NAUTILUX SERIES
Indoor oval lighting fixture complete with eyelid glare shield in solid polished brass, diffuser in moulded heat-resistant and etched glass
250V - IP44

Lamp max. (W) wattage	Lampholder No.	type	Cable entry	Palazzoli code	Pack Q.ty
23W electronic	1	E27	Rear with stepped gland	**861211**	1

Characteristics:
for max. 23W low consumption electronic lamps.

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NAUTILUX SERIES
Pendant lamp, reflector in polished brass, complete with hanging fitting and spiral cable with or without protection cage
250V - IP22

Lamp max. (W) wattage	Lampholder No.	type	Protection	Palazzoli code	Pack Q.ty
6x40	6	E27	Without cage	**861505**	1
6x40	6	E27	With cage	**861506**	1



NAUTILUX SERIES
Pendant lamp, polished brass reflector with and without protection cage
250V - IP22

Lamp max. (W) wattage	Lampholder No.	type	Protection	Palazzoli code	Pack Q.ty
6x40	6	E27	Without cage	**861507**	1
6x40	6	E27	With cage	**861508**	1

Characteristics:
equipped with 4 m. of 3x1mm² grey cable.



NAUTILUX SERIES
Brass chain with ceiling rose, for pendant lamp

Pendant lamp	Washer diameter Ø (mm)	Length (cm)	Palazzoli code	Pack Q.ty
861507 / 861508	195	150	**861510**	1

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NAUTILUX SERIES
Outdoor oval lighting fixtures in polished solid brass, diffuser in etched and heat-resistant moulded glass
250V - IP66

Cable glands	Max. wattage (W)	No. lamp-holder	Type lamp-holder	No. cable glands	Palazzoli code	Pack Q.ty
24x14 UNAV1948 M24x1,5	100	1	E27	1	**860100**	1
24x14 UNAV1948 M24x1,5	200	1	E27	1	**860200**	1

Equipment:
with brass cable glands.



NAUTILUX SERIES
Outdoor oval lighting fixture complete with eyelid glare shield in solid polished brass, diffuser in moulded heat-resistant and etched glass
250V - IP66

Cable glands	Max. wattage (W)	No. lamp-holder	Type lamp-holder	No. cable glands	Palazzoli code	Pack Q.ty
24x14 UNAV1948 M24x1,5	23W electronic	1	E27	1	**860211**	1

Equipment:
with brass cable glands.



NAUTILUX SERIES
Outdoor oval lighting fixtures in polished solid brass, diffuser in etched and heat-resistant moulded glass
250V - IP66

Cable glands	Max. wattage (W)	No. lamp-holder	Type lamp-holder	No. cable glands	Palazzoli code	Pack Q.ty
24x14 UNAV1948 M24x1,6	100	1	E27	1	**860140**	1

Equipment:
with brass cable glands.



NAUTILUX SERIES
Stainless steel plate for fixing to the wall 75W watertight cylindrical lighting fixtures

Description	Palazzoli code	Pack Q.ty
Stainless steel plate for fixing to the wall	**860900**	1



NAUTILUX SERIES
Nickel-plated steel plate for fixing to the ceiling 75W watertight cylindrical lighting fixtures

Description	Palazzoli code	Pack Q.ty
Nickel-plated steel plate for ceiling fixing	**860990**	1

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NAUTILUX SERIES
Outdoor large lighting fixture in polished brass, diffuser in etched and heat-resistant moulded glass
250V - IP66

Cable glands	Max. wattage (W)	No. lamp-holder	Type lamp-holder	No. cable glands	Palazzoli code	Pack Q.ty
24x14 UNAV1948 M24x1,5	200	1	E27	1	**860240**	1

Equipment:
with brass cable gland.
Uses:
ideal for lighting gardens, pathways, hedges, porches, verandas, etc. It gives any environment a unique style.



NAUTILUX SERIES
UNAV 2162 watertight rotary control switch in solid brass enclosure
250V - IP66

Rated current (A)	Poles	Cable glands	No. cable glands	Palazzoli code	Pack Q.ty
10	1	24x14 UNAV1948 M24x1,5	1	**861550**	1

Equipment:
with brass cable gland.



NAUTILUX SERIES
UNAV 1398 watertight junction box in solid brass with terminal block
IP66

Internal diameter (mm)	Cable glands	No. cable glands	Terminal blocks	Palazzoli code	Pack Q.ty
70	24x14 UNAV1948 M24x1,5	2	4x6 mm²	**861551**	1

Equipment:
with 2 brass cable glands.

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Lighting fixtures in aluminium alloy





RINO 199
Oval and round lighting fixtures



RINO 200
Technical accessories for oval and round lighting fixtures



RINO 202
Cylindrical lighting fixtures



NAVE 203
Portable cylindrical lighting fixtures



RINO 206
Technical accessories for cylindrical lighting fixtures

RINO series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60598-1	
	CEI EN 60598-2-1	CEI 34-23
Protection rating:	IP65	
Impact resistance:	> IK 10	
Temperature resistance:	Operating:	-40°C - +70°C
	Storage:	-50°C - +80°C
Casing:	UNI 5076 Aluminium-Silicon alloy Anti-corrosion treatment	
Diffuser:	Pyrex type prismatized glass	
Lampholder:	E27 in porcelain	



RINO SERIES
RAL 7035 grey watertight oval lighting fixtures in aluminium alloy, with glass diffuser
250V - IP65

Lamp max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	**831071**	1
60	E27	2	**831091**	1
100	E27	1	**831171**	1
100	E27	2	**831191**	1
200	E27	1	**831271**	1
200	E27	2	**831291**	1
5-7-9	G23	1	**831914**	1

Equipment:
cable entries with 1/2" gas cable gland. Internal earth screws.
Characteristics:
porcelain lampholder.



RINO SERIES
Grey watertight oval lighting fixtures in aluminium alloy RAL 7035, tropicalized steel wire protective cage, and glass diffuser
250V - IP65

Lamp max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	**831072**	1
60	E27	2	**831092**	1
100	E27	1	**831172**	1
100	E27	2	**831192**	1
200	E27	1	**831272**	1
200	E27	2	**831292**	1
5-7-9	G23	1	**831934**	1

Equipment:
cable entries with 1/2" gas cable gland. Internal earth screws.
Characteristics:
porcelain lampholder.



RINO SERIES
RAL 7035 grey watertight oval lighting fixtures in aluminium alloy, die-cast cage and glass diffuser
250V - IP65

Lamp max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	**831075**	1
60	E27	2	**831095**	1
100	E27	1	**831175**	1
100	E27	2	**831195**	1
200	E27	1	**831275**	1
200	E27	2	**831295**	1
5-7-9	G23	1	**831954**	1

Equipment:
cable entries with 1/2" gas cable gland. Internal earth screws.
Characteristics:
porcelain lampholder.

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FIXTURES IN ALUMINIUM ALLOY



RINO SERIES
RAL 7035 grey watertight round lighting fixture in aluminium alloy, with glass diffuser
250V - IP65

Lamp max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
100	E27	1	**830071**	1

Equipment:
cable entries with one 1/2" gas cable gland. Internal earth screws.
Characteristics:
porcelain lampholder. Diameter dimensions Ø 184 mm



RINO SERIES
RAL 7035 grey watertight round lighting fixture in aluminium alloy, tropicalized steel wire protection cage and glass diffuser
250V - IP65

Lamp max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
100	E27	1	**830072**	1

Equipment:
cable entries with one 1/2" gas cable gland.
Internal earth screws.
Characteristics:
porcelain lampholder. Diameter dimensions Ø 184 mm



NAVE SERIES
Swann B22d type bayonet lampholders with bracket for oval and round lighting fixtures

Type	Lampholder material	Palazzoli code	Pack Q.ty
B22d 4A 250V	Brass	**859412**	1

Equipment:
installation bracket.

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Lighting Fixture / Lamp Selection

	Lighting fixture type	Incandescent E27	Mixed light E27	Electronic compact E27	Fluorescent compact G23
	60W	60W max	-	15 W max	-
	100W	100W max	-	20 W max	-
	200W	200W max	160W max	23 W max	
	5-7-9W	-	-	-	9W max
	100W	100W max	-	15 W max	-

* The models shown have been tested but other compatible models and brands can also be used.

Lighting fixture / Spare Accessory Selection

Lighting fixture type		Diffusers 	Gaskets 	Lampholder  E27	 Swann
	60W	831512	831540	819056	859412
	100W	831612	831640		
	200W / 5/7/9W	831712	831740	-	-
	60W	831512	831540	819056	859412
	100W	831612	831640		
	200W / 5/7/9W	831712	831740	-	-
	60W	831512	831540	819056	859412
	100W	831612	831640		
	200W / 5/7/9W	831712	831740	-	-
	100W round	830512	830540	819056	859412
	100W round				



RINO SERIES
RAL 7035 grey watertight cylindrical lighting fixtures in aluminium alloy with ribbed glass diffuser, for ceiling installation
250V - IP65

Lamp max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	**810071**	1
100	E27	1	**810171**	1
200	E27	1	**810271**	1

Equipment:
cable entries with one 1/2" gas cable gland.
Characteristics:
porcelain lampholder.



RINO SERIES
RAL 7035 grey watertight cylindrical lighting fixtures in aluminium alloy with ribbed glass diffuser, for pendant installation by a threaded pipe
250V - IP65

Lamp max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	**812071**	1
100	E27	1	**812171**	1
200	E27	1	**812271**	1

Characteristics:
with 1/2” gas threaded hole for pendant conduit.
Porcelain lampholder.



RINO SERIES
Ceiling watertight junction box in aluminium alloy for installation of pendant lighting fixtures
IP65

Internal dimensions	Cable gland entry no. 1/2"	Front threading tipo	Palazzoli code	Pack Q.ty
Ø 62	2	1/2"	**812988**	1

Equipment:
with 2 1/2" gas cable glands. Earth screw inside and outside the box.
Characteristics:
cover with 1/2” gas threaded central hole for lighting fixtures pendant conduit.

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RINO SERIES
RAL 7035 grey watertight cylindrical lighting fixtures in aluminium alloy with ribbed glass diffuser, for right angle wall installation 250V IP65

Lamp max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	**811071**	1
100	E27	1	**811171**	1
200	E27	1	**811271**	1

Equipment:
cable entries with one 1/2" gas cable gland.
Characteristics:
porcelain lampholder.



RINO SERIES
RAL 7035 grey watertight cylindrical lighting fixtures in aluminium alloy with ribbed glass diffuser, for angled wall installation 250V - IP65

Lamp max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	**813071**	1
100	E27	1	**813171**	1
200	E27	1	**813271**	1

Equipment:
cable entries with one 1/2" gas cable gland.
Characteristics:
porcelain lampholder.



NAVE SERIES
Watertight portable lighting fixture, UNAV 2137 type, in thermosetting (GRP) material, with stainless steel cage 250V - IP65

Lamp max. wattage (W)	Lamp-holder	Palazzoli code	Pack Q.ty
60	E27	**814052**	1

Equipment:
cable entry with 1 1/2" gas cable gland and internal cable clamp.
Characteristics:
diffuser in ribbed clear glass. Porcelain lampholder.
Uses:
particularly suitable in areas where oils, hydrocarbons, aggressive substances and solvents are present, or if subject to impact or vibrations (eg. mechanical workshops, electrical repair shops, industrial production departments, etc.).

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Product specifications page 199
Dimensions page 427



RINO SERIES
Housings for RAL 7035 grey watertight cylindrical lighting fixtures in aluminium alloy, for ceiling installation
250V - IP65

Fixture max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	**810060**	5
100	E27	1	**810100**	1
200	E27	1	**810200**	2

Equipment:
including globe-holder ring, gasket, E27 safety lampholder, no. 1 1/2" gas cable gland.



RINO SERIES
Housings for RAL 7035 grey watertight cylindrical lighting fixtures in aluminium alloy, for right angle wall installation
250V - IP65

Fixture max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	**811060**	5
100	E27	1	**811100**	1
200	E27	1	**811200**	2

Equipment:
Inclusive of globe-holder ring, gasket, E27 safety lampholder.



RINO SERIES
Housings for RAL 7035 grey watertight cylindrical lighting fixtures in aluminium alloy, for pendant installation by a threaded conduit 250V – IP65

Fixture max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	**812060**	5
100	E27	1	**812100**	5
200	E27	1	**812200**	2

Equipment:
including globe-holder ring, gasket, E27 safety lampholder, no. 1 1/2" gas cable gland.
Characteristics:
with 1/2" gas threaded hole for pendant conduit. Porcelain lampholder.



RINO SERIES
Housings for RAL 7035 grey watertight cylindrical lighting fixtures in aluminium alloy, for angled wall installation
250V - IP65

Fixture max. wattage (W)	Lamp-holder	Cable gland entry no. 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	**813060**	1
100	E27	1	**813100**	2
200	E27	1	**813200**	2

Equipment:
Inclusive of globe-holder ring, gasket, E27 safety lampholder.

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Dimensions page 427



RINO SERIES
Diffuser in clear ribbed glass for watertight cylindrical lighting fixtures

Fixture max. wattage	Colour	Palazzoli code	Pack Q.ty
60W	Transparent	**819012**	1
100W	Transparent	**819112**	1
200W	Transparent	**819212**	1

Uses:
can also be used as spare parts



NAVE SERIES
UNAV 1268 diffusers in smooth coloured glass for watertight cylindrical lighting fixtures

Fixture max. wattage	Colour	Palazzoli code	Pack Q.ty
60W	Blue	**850061**	1
60W	Yellow	**850062**	1
60W	Red	**850063**	1
60W	Green	**850064**	1



RINO SERIES
Diffusers in coloured polycarbonate for max. 40W watertight cylindrical lighting fixtures

Fixture max. wattage	Colour	Palazzoli code	Pack Q.ty
40W	Transparent	**819015**	1
40W	Yellow	**819017**	1
40W	Red	**819018**	1
40W	Green	**819019**	1

Characteristics:
to be used with max. 40W power lamp

FIXTURES IN ALUMINIUM ALLOY



RINO SERIES
Protection cages in tropicalized steel wire for watertight cylindrical lighting fixtures

Fixture max. wattage	Palazzoli code	Pack Q.ty
60W	**819020**	1
100W	**819120**	1
200W	**819220**	1



RINO SERIES
Protection cage in stainless steel wire for watertight cylindrical lighting fixtures

Fixture max. wattage	Palazzoli code	Pack Q.ty
60W	**819022**	1
100W	**850172**	1



RINO SERIES
Reflectors in oven-painted galvanized steel for watertight cylindrical lighting fixtures

Fixture max. wattage	Colour	Palazzoli code	Pack Q.ty
60W	White	**819030**	5
100W	White	**819130**	5
200W	White	**819230**	5



RINO SERIES
Shade in oven-painted galvanized steel, for directing light output from watertight cylindrical lighting fixtures

Fixture max. wattage	Colour	Palazzoli code	Pack Q.ty
60W	Aluminium	**819035**	1
100W	Aluminium	**819135**	1
200W	Aluminium	**819235**	1



NAVE SERIES
Swann type bayonet lampholder with tabs for watertight cylindrical lighting fixtures

Type	Lampholder material	Palazzoli code	Pack Q.ty
B22d 4A 250V	Brass	**859400**	1

Lighting Fixture / Lamp Selection

Fixture type		Incandescent E27	Mixed light E27	Electronic compact E27
	60W	60W max	-	15W max
	100W	100W max	-	20W max
	200W	200W max	160W max	23W max

Cylindrical Lighting fixtures / Spare accessories Selection

		Protection cages		Reflectors	Lamp shades	Glass diffusers					Gaskets	Lampholder	
													
Fixture		Tropicalized steel	Stainless steel and painted steel	Galvanised and painted steel	Galvanised and transparent	Ribbed	Blue	Yellow	Red	Green	in non-ageing elastomer	E27	Swann
	60W	819020	819022	819030	819035	819012	850061	850062	850063	850064	819040	819055	859400
	100W	819120	850172	819130	819135	819112	-	-	-	-	819140		
	200W	819220	-	819230	819235	819212	-	-	-	-	831640		
	60W	819020	819022	819030	819035	819012	850061	850062	850063	850064	819040		
	100W	819120	-	819130	819135	819112	-	-	-	-	819140		
	200W	819220	-	819230	819235	819212	-	-	-	-	831640		
	60W	819020	819022	-	819035	819012	850061	850062	850063	850064	819040		
	100W	819120	-	-	819135	819112	-	-	-	-	819140		
	200W	819220	-	-	819235	819212	-	-	-	-	831640		
	60W	819020	819022	819030	819035	819012	850061	850062	850063	850064	819040		
	100W	819120	-	819130	819135	819112	-	-	-	-	819140		
	200W	819220	-	819230	819235	819212	-	-	-	-	831640		

LIGHTING FIXTURES IN STAINLESS AND GALVANISED STEEL

The products and recommended applications

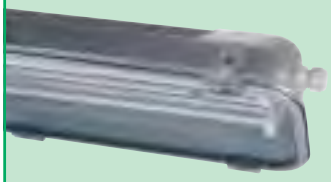
SERVICE SECTOR		INDUSTRY			
Kitchens for restaurants Hotels Canteens Hospitals Prisons Religious communities Large distribution	Parks Outlet Squares Playgrounds	Plastic moulding Manifatturiero Textile Technical rooms	Wineries Dairies Butchers Canning industries Ham factory Feed mills	Rails Oil Metallurgical industry Mechanical Pharmaceuticals Chemical Cement factory Airport steel industry Motor racetracks	Foundries Mining extractions Carboniferous

Stainless STEEL - POLYCARBONATE



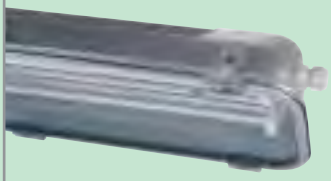
RINO IP65

Stainless STEEL - GLASS



RINO IP66

Stainless STEEL - GLASS



RINO IP66

Galvanised PAINTED STEEL POLYCARBONATE



RINO IP65

Galvanised PAINTED STEEL GLASS



RINO IP66





RINO 211

Stainless steel-glass IP66



RINO 212

Stainless steel-polycarbonate IP65



RINO 212

Galvanised steel-glass IP65



RINO 212

Galvanised steel-polycarbonate IP65



RINO 213

Technical accessories



RINO Series

Stainless

Watertight lighting fixtures

STAINLESS AND GALVANISED STEEL



No welding

TECHNIQUE

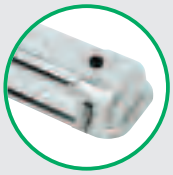
The range is complete allowing to choose the ideal solution for the type of installation required the perfect product for the type of installation to be carried out. The IP65 or IP66 versions are in fact available with a natural AISI 304 austenitic stainless steel or RAL 9003 white-painted galvanised steel body, with diffuser in glass or polycarbonate for wall/ceiling mounting, or universal versions for wall/ceiling/pendant mounting. It is also possible to choose different optics such as the versions with reflector in symmetrical or asymmetrical mirror-polished aluminium or with white reflector. The electrifications available range from versions with a low-leakage electromagnetic power supply to an electronic power supply and the version for emergencies. They answer the highest quality standards guaranteeing reliability and superior performance, such as, for example, the production of a single cold-drawn body and the high photometric performance. All lighting fixtures are designed in compliance with IEC EN60598-1 and IEC EN60598-2-1 Standards.

Designed with the very latest technology, this non-deformable structure can be installed even in the presence of vibrations.
The ultra-bright aluminium reflector ensures optimum recovery of the luminous flux and therefore an extremely even diffusion. The diffuser screen is made of tempered glass. A stainless steel frame protects the edges against impacts and keeps the watertight seal intact. RINO lighting fixtures are ENEC certified. This guarantees that our products offer a “European level of safety”, and that they are examined by independent, accredited organisations.

Trademarks, symbols, awards

03

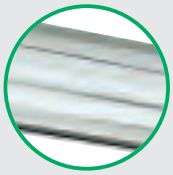
THE ADVANTAGES



RESISTANT
They are characterised by a non-deformable structure designed with the very latest technology, which makes it suitable to be installed even when vibrations are present.



EFFICIENT
The ultra-bright aluminium reflector ensures optimum recovery of the luminous flux and therefore an extremely even diffusion.



SAFE
The diffuser screen is made of tempered glass. A stainless steel frame protects the edges against impacts and keeps the watertight seal intact.

LIGHTING FIXTURES IN STAINLESS STEEL - GLASS

RINO series

PRODUCT SPECIFICATIONS

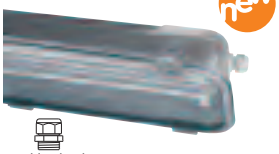
Conformity to standards:	CEI EN 60598-1	
	CEI EN 60598-2-1	CEI 34-23
Protection rating:	IP65 / IP66	
Impact resistance:	> IK 10	
Temperature resistance:	Operating:	-15°C - +50°C
	Storage:	-40°C - +70°C
Casing:	AISI 304 Stainless Steel	
	Galvanised and painted steel	
Diffuser:	Tempered glass / shockproof polycarbonate	
Lampholder:	G13 / G5	



cable gland M20-brass

RINO SERIES
Lighting fixtures **in stainless steel-glass** with **symmetrical aluminium reflector** and **fuse protection**
230V - 50 Hz - **IP66**

Wattage (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
1x18	electromagnetic	G13 T8	**820101**	1
1x36	electromagnetic	G13 T8	**820201**	1
2x18	electromagnetic	G13 T8	**820102**	1
2x36	electromagnetic	G13 T8	**820202**	1
3x18	electromagnetic	G13 T8	**820103**	1
3x36	electromagnetic	G13 T8	**820203**	1
1x18	electronic 230VAC/DC	G13 T8	**820131**	1
1x36	electronic 230VAC/DC	G13 T8	**820231** (-25° C)	1
2x18	electronic 230VAC/DC	G13 T8	**820132**	1
2x36	electronic 230VAC/DC	G13 T8	**820232** (-25° C)	1
3x18	electronic 230VAC/DC	G13 T8	**820133**	1
3x36	electronic 230VAC/DC	G13 T8	**820233** (-25° C)	1
1x18	dimmerable 230VAC/DC	G13 T8	**820151**	1
1x36	dimmerable 230VAC/DC	G13 T8	**820251**	1
2x18	dimmerable 230VAC/DC	G13 T8	**820152**	1
2x36	dimmerable 230VAC/DC	G13 T8	**820252**	1
(1+1)x18	emergency	G13 T8	**820111**	1
(1+1)x36	emergency	G13 T8	**820211**	1



cable gland M20-polyammide

RINO SERIES
Lighting fixtures **in stainless steel-glass** with **symmetrical aluminium reflector** and **fuse protection**
230V - 50 Hz - **IP65**

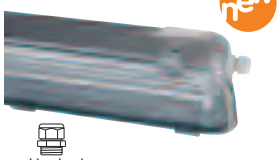
Wattage (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
1x18	electromagnetic	G13 T8	**824101**	1
1x36	electromagnetic	G13 T8	**824201**	1
1x58	electromagnetic	G13 T8	**824301**	1
2x18	electromagnetic	G13 T8	**824102**	1
2x36	electromagnetic	G13 T8	**824202**	1
1x18	electronic 230VAC/DC	G13 T8	**824131**	1
1x36	electronic 230VAC/DC	G13 T8	**824231**	1
1x58	electronic 230VAC/DC	G13 T8	**824331**	1
1x80	electronic 230VAC/DC	G5 T5	**824861**	1



cable gland M20-polyammide

RINO SERIES
Lighting fixtures **in stainless steel - glass** with **white reflector**
230V - 50 Hz - **IP65**

Wattage (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
1x18	electromagnetic	G13 T8	**822101**	1
1x36	electromagnetic	G13 T8	**822201**	1
1x58	electromagnetic	G13 T8	**822301**	1
2x18	electromagnetic	G13 T8	**822102**	1
2x36	electromagnetic	G13 T8	**822202**	1
2x58	electromagnetic	G13 T8	**822302**	1
3x18	electromagnetic	G13 T8	**822103**	1
3x36	electromagnetic	G13 T8	**822203**	1
1x18	electronic 230VAC/DC	G13 T8	**822131**	1
1x36	electronic 230VAC/DC	G13 T8	**822231**	1
1x58	electronic 230VAC/DC	G13 T8	**822331**	1
2x18	electronic 230VAC/DC	G13 T8	**822132**	1
2x36	electronic 230VAC/DC	G13 T8	**822232**	1
2x58	electronic 230VAC/DC	G13 T8	**822332**	1
1x54	electronic 230VAC/DC	G5 T5	**822961**	1
2x54	electronic 230VAC/DC	G5 T5	**822962**	1
2x80	electronic 230VAC/DC	G5 T5	**822862**	1
1x36	emergency	G13 T8	**822210**	1
(1+1)x36	emergency	G13 T8	**822211**	1
(1+1)x58	emergency	G13 T8	**822311**	1



cable gland M20-polyammide

RINO SERIES
Lighting fixtures **in stainless steel-glass** with **symmetrical aluminium reflector** and **fuse protection**
230V - 50 Hz - **IP65**

Wattage (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
1x36	electromagnetic	G13 T8	**823201**	1
2x18	electromagnetic	G13 T8	**823102**	1
2x36	electromagnetic	G13 T8	**823202**	1
2x58	electromagnetic	G13 T8	**823302**	1
1x58	electronic 230VAC/DC	G13 T8	**823331**	1
2x18	electronic 230VAC/DC	G13 T8	**823132**	1
2x36	electronic 230VAC/DC	G13 T8	**823232**	1
2x58	electronic 230VAC/DC	G13 T8	**823332**	1
1x54	electronic 230VAC/DC	G5 T5	**823961**	1
2x54	electronic 230VAC/DC	G5 T5	**823962**	1
1x49	electronic 230VAC/DC	G5 T5	**823761**	1
2x49	electronic 230VAC/DC	G5 T5	**823762**	1
1x80	electronic 230VAC/DC	G5 T5	**823861**	1
2x80	electronic 230VAC/DC	G5 T5	**823862**	1
(1+1)x18	emergency	G13 T8	**823111**	1
(1+1)x36	emergency	G13 T8	**823211**	1
(1+1)x58	emergency	G13 T8	**823311**	1

Product specifications page 211
Dimensions page 428

LIGHTING FIXTURES IN STAINLESS STEEL - POLYCARBONATE



RINO SERIES
Stainless steel-polycarbonate lighting fixtures with **white reflector**
230V - 50 Hz - **IP65**

Wattage (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
1x18	electromagnetic	G13 T8	**828101**	1
2x18	electromagnetic	G13 T8	**828102**	1
2x36	electromagnetic	G13 T8	**828202**	1
2x18	electronic 230VAC/DC	G13 T8	**828132**	1
2x36	electronic 230VAC/DC	G13 T8	**828232**	1



RINO SERIES
Stainless steel-polycarbonate lighting fixtures **symmetrical aluminium reflector** with **fuse protection**
230V - 50 Hz - **IP65**

Wattage (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
2x18	electromagnetic	G13 T8	**825102**	1
2x36	electromagnetic	G13 T8	**825202**	1
2x18	electronic 230VAC/DC	G13 T8	**825132**	1
2x36	electronic 230VAC/DC	G13 T8	**825232**	1
(1+1)x18	emergency	G13 T8	**825111**	1
(1+1)x36	emergency	G13 T8	**825211**	1

Equipment:
M20 polyammide cable gland. Kit for ceiling fixing with 2 gaskets and 2 AISI 304 stainless steel washers for M6 screws.
(screws not included)
Characteristics:
body and hooks in AISI 304 stainless steel. Tempered glass diffuser with impact resistance > IK 10. White painted galvanised steel reflector.
Class I Ⓕ Direct wall/ceiling fixing.
Versions with electromagnetic power supply with p.f. correction capacitor. Emergency versions with permanent wiring, Ni-Cd battery, inverter, 1h autonomy, 24h recharge with the possibility of inhibition.
The emergency circuit is prepared for only one lamp.
Complementary Items:
Accessories for pendant installation, on pole installation, ultra-polished aluminium reflectors, on page 213.

PAINTED GALVANISED STEEL LIGHTING FIXTURES



RINO SERIES
Galvanised painted-glass lighting fixtures with **white reflector**
230V - 50 Hz - **IP65**

Wattage (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
1x18	electromagnetic	G13 T8	**842101**	1
1x36	electromagnetic	G13 T8	**842201**	1
1x58	electromagnetic	G13 T8	**842301**	1
2x18	electromagnetic	G13 T8	**842102**	1
2x36	electromagnetic	G13 T8	**842202**	1
2x58	electromagnetic	G13 T8	**842302**	1
2x18	electronic 230VAC/DC	G13 T8	**842132**	1
2x36	electronic 230VAC/DC	G13 T8	**842232**	1
2x58	electronic 230VAC/DC	G13 T8	**842332**	1
2x54	electronic 230VAC/DC	G5 T5	**842962**	1
2x80	electronic 230VAC/DC	G5 T5	**842862**	1



RINO SERIES
Painted galvanised steel-glass lighting fixtures with **symmetrical aluminium reflector** and **fuse protection**
230V - 50 Hz - **IP65**

Wattage (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
1x36	electromagnetic	G13 T8	**843201**	1
2x18	electromagnetic	G13 T8	**843102**	1
2x36	electromagnetic	G13 T8	**843202**	1
2x58	electromagnetic	G13 T8	**843302**	1
1x36	electronic 230VAC/DC	G13 T8	**843231**	1
2x18	electronic 230VAC/DC	G13 T8	**843132**	1
2x36	electronic 230VAC/DC	G13 T8	**843232**	1
2x58	electronic 230VAC/DC	G13 T8	**843332**	1
1x54	electronic 230VAC/DC	G5 T5	**843961**	1
2x54	electronic 230VAC/DC	G5 T5	**843962**	1
1x49	electronic 230VAC/DC	G5 T5	**843761**	1
2x49	electronic 230VAC/DC	G5 T5	**843762**	1
1x80	electronic 230VAC/DC	G5 T5	**843861**	1
2x80	electronic 230VAC/DC	G5 T5	**843862**	1
1x36	emergency	G13 T8	**843210**	1
(1+1)x36	emergency	G13 T8	**843211**	1
(1+1)x58	emergency	G13 T8	**843311**	1

Product specifications page 211
Dimensions page 428

PAINTED GALVANISED STEEL LIGHTING FIXTURES



RINO SERIES
Stainless steel-polycarbonate lighting fixtures **symmetrical aluminium reflector** with **fuse protection**
230V - 50 Hz - **IP65**

Wattage (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
2x18	electromagnetic	G13 T8	**845102**	1
2x36	electromagnetic	G13 T8	**845202**	1
2x18	electronic 230VAC/DC	G13 T8	**845132**	1
2x36	electronic 230VAC/DC	G13 T8	**845232**	1
1x36	emergency	G13 T8	**845210**	1
(1+1)x36	emergency	G13 T8	**845211**	1



RINO SERIES
Pair of hooks for pendant installation of painted stainless steel lighting fixtures

Manufacture material	Palazzoli code	Pack Q.ty
stainless steel AISI 304	**820001**	1

Equipment:
lighting fixture washers and fixing nuts



RINO SERIES
Pair of swivelling supports for wall and ceiling installation of painted stainless steel lighting fixtures

Manufacture material	Rotating angle	Palazzoli code	Pack Q.ty
stainless steel AISI 304	± 75°	**820000**	1



RINO SERIES
Pair of collars for installation on tube of painted stainless steel lighting fixtures

Manufacture material	Tube diameter (mm)	Palazzoli code	Pack Q.ty
stainless steel AISI 304	Ø 60	**820006**	1



RINO SERIES
High output ultra-polished aluminium symmetrical reflectors

Manufacture material	For lighting fixtures (W)	Palazzoli code	Pack Q.ty
aluminium	18	**820002**	1
aluminium	36, 54	**820003**	1
aluminium	49, 58, 80	**820008**	1

SYSTEMS FOR TUNNELS, ROAD TUNNELS AND MAJOR FIRE RISK PLACES

The products and recommended applications

NICHE	VENTILATION	SIGNS	ORDINARY AND EMERGENCY LIGHTING
Lighting Signalling and service device power supply	Fans	Luminous panels Luminous stakes	Fluorescent lighting for line joints: Lighting unit branch line

THERMOSETTING



TAIS IP67

THERMOSETTING (GRP)



TAIS MIGNON IP67

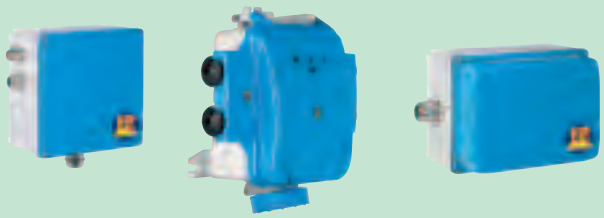


CEE IP67

ALUMINIUM ALLOY



TUNNEL54 IP66



TUNNEL54 IP66

STAINLESS STEEL



TUNNEL54 IP65

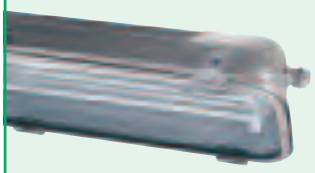
STAINLESS STEEL



TUNNEL54 IP66

SYSTEMS FOR TUNNELS, RAILWAY TUNNELS AND UNDERGROUNDS

The products and recommended applications

TECHNICAL ROOMS	SERVICE POWER SUPPLY TUNNEL	EMERGENCY STATION/ TUNNEL	ORDINARY AND EMERGENCY LIGHTING
Lighting and controls Service socket-outlets and junction boxes	Service socket-outlets and junction boxes	Isolators/buttons	Fluorescent lighting Line wire coupling: Lighting unit branch line
THERMOSETTING (GRP)			
 TAIS MIGNON TAIS IP67		 TAIS TRE	 CEE IP67
ALUMINIUM ALLOY			
 ALUPRES IP67 TUNNEL54 IP66		 ALUPRES/CAM IP66	 TUNNEL54 IP66
STAINLESS STEEL			**STAINLESS STEEL**
 RINO IP66			 TUNNEL54 IP66



TUNNEL54 series

Fire Proof

Systems for road, motorway, rail and metro tunnels

850°C x 90'
400°C x 120'

TECHNIQUE

Palazzoli designed TUNNEL54 series to solve in a rational and innovative way all the problems regarding electrified tunnels. The range is conceived in compliance with the New Guide Lines for the planning of Road Tunnel Safety, European Directive 2004/54/CE and the National laws in force. TUNNEL54 Series consists of flame-proof, smoke-proof, rodent-proof devices, in aluminium alloy or stainless steel, which guarantee constant service even in fire conditions, 400°C for 120' (prot. 7735) and 850°C for 90' (EN 500200) and are certified by reliable Laboratories at international level (IMQ, INTEK). The ventilation systems consist of interlocked socket-outlet, plugs and line junction enclosures. As far as the lighting system, the product range goes from projectors for lanes and niches, junction enclosures for singe-pole and multi-polar cable with cable gland or socket-outlet output and glazing enclosures. What is important is the introduction of puncture insulation, using a triple tooth device that reduces the wiring time of 70% and allows energy use without sectioning range.

Trademarks, symbols, awards

- Guasket for wire threading 4-35mmq IP66

THE ADVANTAGES



INSULATING PERFORATION

The cable that is not prepared is inserted into the special insulating perforation terminal. Thanks to the calibrated breaking mechanism, the correct tightening torque guaranteeing electric contact is ensured.



AGAINST FIRE WITHOUT COMPROMISE

The interlocked socket-outlets for fan guarantee operation at 400°C for 120'. These performances can be obtained only with 400A and 200A rated current isolator switches with 1250A closing capacity.



GUARANTEED CABLE PERFOMANCES

The insuperable resistance to heat of the brass terminal blocks on ceramic, with two-screw base non-loosenig terminals guarantee electrical continuity up to 850°C for 90'.

TUNNEL54 series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 50200 - CEI EN 50362
	European Directive 2004/54/CE
	ANAS 7735 Memorandum
	Guide lines for safety planning in road tunnels
Protection rating:	IP66
Impact resistance:	**> IK 10**
Switch category:	AC3 - AC23A 690V
Temperature	400°C for 120'
resistance:	850°C per 90'
Homologations:	IMQ / INTEK / Fire Proof



TUNNEL54 SERIES
Interlocked socket-outlets
for tunnel fans
IP66 > IK10 400°C for 120'

Rated current (A)	Frequency	Rated use voltage	Poles	Palazzoli code	Pack Q.ty
63	50-60Hz	600÷690V	3P+⏚	**151880**	1
125	50-60Hz	600÷690V	3P+⏚	**151881**	1

Equipment:
equipped with gaskets and screws for fastening accessories.
Internal and external earth terminal
Characteristics:
AC3 AC23A switch category up to 690V.
upper passage with F5 window.
Complementary items:
flanges with cable glands for closing and fastening brackets on page 218.
On request:
auxiliary contact for switch status signal.



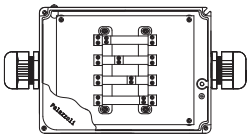
TUNNEL54 SERIES
Tunnel fan plugs
da galleria
IP66 > IK10 400°C for 120'

Rated current (A)	Frequency	Rated use voltage	Poles	Palazzoli code	Pack Q.ty
63	50-60Hz	600÷690V	3P+⏚	**151890**	1
125	50-60Hz	600÷690V	3P+⏚	**151891**	1

Characteristics:
1"1/8 cable gland for cable tightening Ø 22mm ÷ 26mm.



TUNNEL54 SERIES
Line junction enclosure
fan power supply lines IP66 > IK10
400°C for 120' / 850°C for 90'



Line cable sections (mm^2)	Pole/section terminals	External dimensions (mm)	Cable gland line (mm)	Palazzoli code	Pack Q.ty
3x10 - 3x16 3x25	3x25 mm^2	185x185x105	M40 (19-28)	**151553**	1
3x35	3x40 mm^2	252x185x152 (19-28)	M40	**151564**	1
3x50	3x70 mm^2	252x185x152	M50 (26-35)	**151575**	1
3x70	3x70 mm^2	252x185x152	M63 (34-45)	**151585**	1

Characteristics:
3-pin terminal block fixed on ceramic base with brass conductive bars and two screw non-loosening terminals.
No. 2 IP68 nickel-plated brass cable glands with ISO metric thread and cable radial fastening. M6 inside and outside earth terminal.
Complementary items:
Fastening brackets on page 222.

Product specifications page 217
Dimensions page 429



TUNNEL54 SERIES
Raised closing flanges
in aluminium alloy
with brass cable glands
for multi-pole cables
IP67 >IK10
400°C for 120' / 850°C for 90'

For windows	Cable gland line	Palazzoli code	Pack Q.ty
F5	M32 (11-21)	**151930**	1
F5	M40 (19-28)	**151931**	1
F5	M50 (26-35)	**151932**	1
F5	M63 (34-45)	**151933**	1



TUNNEL54 SERIES
Raised closing flanges
in aluminium alloy
with brass cable glands
for unipolar cables
IP67 > IK10
400°C for 120' / 850°C for 90'

For windows	Cable gland line	Palazzoli code	Pack Q.ty
F5	n.3 x M25 (10-17)	**151940**	1
F5	n.3 x M32 (11-21)	**151941**	1
F5	n.3 x M40 (19-28)	**151942**	1



ALUPRES SERIES
Raised closing flanges
in aluminium alloy for
enclosures with windowed walls
IP67

For windows	Projection (mm)	Palazzoli code	Pack Q.ty
F5	80	**540065**	1

Uses:
they close unused windows. Make wiring easier as they increase the internal volume of the enclosure.



TUNNEL54 SERIES
Pair of supports for fastening
interlocked socket-outlets to the
ceiling for fans

Manufacture material Fabbricazione	Palazzoli code	Pack Q.ty
AISI 316L stainless steel	**151900**	1

Characteristics:
complete with adjustable coupling for mounting to ceiling with profile 50x30mm and socket fastening screws.

Product specifications
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TUNNEL54 SERIES
Stainless steel-polycarbonate
stainless steel AISI 304 - glass
with **symmetrical aluminium reflector** and **protection fuse**
230V AC/DC - IP65 Class II

Wattage (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
2x18	electronic	G13 T8	**152132**	1
2x36	electronic	G13 T8	**152232**	1
2x58	electronic	G5 T5	**152962**	1



TUNNEL54 SERIES
Stainless steel-polycarbonate
stainless steel AISI 304 - glass
with **symmetrical aluminium reflector**and **protection fuse**
230V AC/DC - IP65 Class II

Wattage (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
2x18	electronic	G13 T8	**153132**	1
2x36	electronic	G13 T8	**153232**	1
2x58	electronic	G5 T5	**153962**	1

Characteristics:
The lighting fixtures can be supplied in special execution complete with brackets for rapid fastening to channel and/or wired with cable and plug.

Example of usage



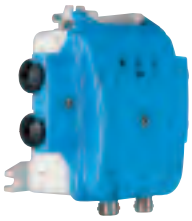
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Dimensions page 429



M20
(7-13)

TUNNEL54 SERIES
Insulation perforation **junction box with cable gland** and **one pole teflon cable connections**
IP67 >IK10
850°C for 90'

Line cable sections (mm²)	Class	External dimensions (mm)	Protections	Palazzoli code	Pack Q.ty
4-35	I	247x225x130	1 fuse 4A (L)	**157011**	1
4-35	I	247x225x130	2 fuses 4A (L+N)	**157111**	1
4-35	II	247x225x130	1 fuse 4A (L)	**158011**	1
4-35	II	247x225x130	2 fuses 4A (L+N)	**158111**	1



M20 (7-13) M20 (7-13)

TUNNEL54 SERIES
Insulation perforation **junction box with 2 cable glands** and **one pole teflon cable connections**
IP67 >IK10
850°C for 90'

Line cable sections (mm²)	Class	External dimensions (mm)	Protections	Palazzoli code	Pack Q.ty
4-35	I	247x225x130	1 fuse 6A (L)	**157012**	1
4-35	I	247x225x130	2 fuses 6A (L+N)	**157112**	1
4-35	II	247x225x130	1 fuse 6A (L)	**158012**	1
4-35	II	247x225x130	2 fuses 6A (L+N)	**158112**	1



2P+⏚

TUNNEL54 SERIES
Insulation perforation **junction box with cable glandone pole teflon cable connections** IEC309
IP67 >IK10
850°C for 90'

Line cable sections (mm²)	Class	External dimensions (mm)	Protections	Palazzoli code	Pack Q.ty
4-35	I	247x254x130	1 fuse 4A (L)	**157001**	1
4-35	I	247x254x130	2 fuses 4A (L+N)	**157101**	1
4-35	II	247x254x130	1 fuse 4A (L)	**158001**	1
4-35	II	247x254x130	2 fuses 4A (L+N)	**158101**	1

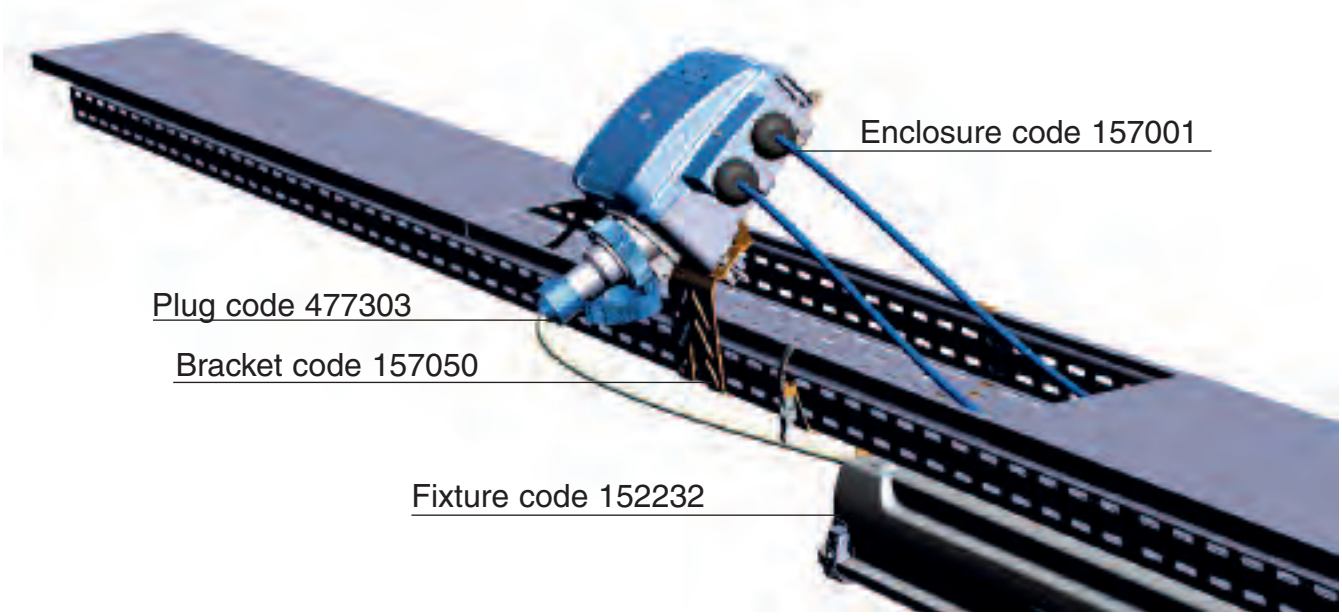


TUNNEL54 SERIES
Puncture insulation fixing support for junction enclosures

Manufacture material Fabbricazione	Palazzoli code	Pack Q.ty
Stainless steel AISI 304	**157050**	1
Painted glavanised steel RAL 7035	**157051**	1

Equipment:
ideal in trunking with maximum height of 100 mm.

Example of usage

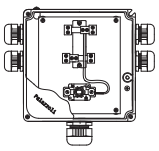


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M25
(10-17)

TUNNEL54 SERIES
Enclosures for electrical line for one pole cables for tunnel foodlights, branch line with cable gland IP66 - > IK10
850°C for 90'



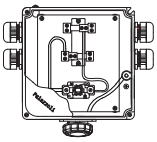
Line cable sections	Pole/section terminals	External dimensions (mm)	Cable gland line (mm)	Palazzoli code	Pack Q.ty
2x (1x4) mm² 2x (1x6) mm²	2x6 mm²	185x185x105	M16 (4,5-10)	**151011**	1
2x (1x10) mm² 2x (1x16) mm²	2x16 mm²	185x185x105	M20 (7-13)	**151022**	1
2x (1x25) mm² 2x (1x35) mm²	2x40 mm²	185x252x152	M25 (10-17)	**151034**	1
2x (1x50) mm² 2x (1x70) mm²	2x70 mm²	252x315x193	M32 (11-21)	**151045**	1

Equipment:
reduction flanges.



2P+⏚

TUNNEL54 SERIES
Enclosures for electrical line for one pole cables for tunnel floodlights, branch line with industrial socket-outlet IP66 - > IK10 850°C for 90'



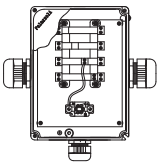
Line cable sections	Pole/section terminals	External dimensions (mm)	Cable gland line (mm)	Palazzoli code	Pack Q.ty
2x (1x4) mm² 2x (1x6) mm²	2x6 mm²	185x185x105	M16 (4,5-10)	**151311**	1
2x (1x10) mm² 2x (1x16) mm²	2x16 mm²	185x185x105	M20 (7-13)	**151322**	1
2x (1x25) mm² 2x (1x35) mm²	2x40 mm²	185x252x152	M25 (10-17)	**151334**	1
2x (1x50) mm² 2x (1x70) mm²	2x70 mm²	252x315x193	M32 (11-21)	**151345**	1

Characteristics:2-pin terminal block fixed on ceramic base with brass conductive bars and two screw non-loosening terminals.
IP68 nickel-plated brass cable glands with ISO metric thread and cable radial fastening. M6 inside and outside earth terminal. Protection of the power supply phase of the light body using an E14-D01 ceramic fuse-holder base complete with fuses.
The fuse base is prewired at junction box.
Branch line with socket-outlet 16A – 2P⏚.
The resistance at 850°C x 90' is applied to the enclosure.
Complementary items: fastening brackets on page 222.
Plug 2P+⏚ 16A IP67 on page 25.
Equipment: reduction flanges.



M25
(10-17)

TUNNEL54 SERIES
Enclosures for multi-pole cables pass-through line for tunnel floodlights, junction line with cable gland IP66 - > IK10
850°C for 90'

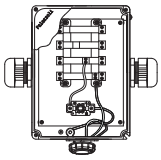


Line cable sections	Pole/section terminals	External dimensions (mm)	Cable gland line (mm)	Palazzoli code	Pack Q.ty
4x4 mm² 3G (2F+⏚) 4 mm² 4x6 mm² 3G (2F+⏚) 6 mm²	4x6 mm²	185x252x152	M32 (11-21)	**151241**	1
4x10 mm² 3G (2F+⏚) 10 mm²	4x16 mm²	185x252x152	M32 (11-21)	**151242**	1
4x16 mm² 3G (2F+⏚) 16 mm²	4x16 mm²	185x252x152	M40 (19-28)	**151252**	1
4x25 mm² 3G (2F+⏚) 25 mm² 4x35 mm² 3G (2F+⏚) 35 mm²	4x40 mm²	185x252x152	M40 (19-28)	**151264**	1
3x50+25 mm² 3G (2F+⏚) 50 mm² 3x70+35 mm²	4x70 mm²	252x315x193	M50 (26-35)	**151275**	1
3G (2F+⏚) 70 mm²	4x70 mm²	252x315x193	M63 (34-45)	**151285**	1



2P+⏚

TUNNEL54 SERIES
Enclosures for multi-pole cables pass-through line for tunnel floodlights, junction line with industrial socket-outlet
IP66 -> IK10 850°C for 90'

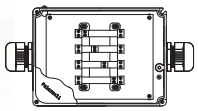


Line cable sections	Pole/section terminals	External dimensions (mm)	Cable gland line (mm)	Palazzoli code	Pack Q.ty
4x4 mm² 3G (2F+⏚) 4 mm² 4x6 mm² 3G (2F+⏚) 6 mm²	4x6 mm²	185x252x152	M32 (11-21)	**151441**	1
4x10 mm² 3G (2F+⏚) 10 mm²	4x16 mm²	185x252x152	M32 (11-21)	**151442**	1
4x16 mm² 3G (2F+⏚) 16 mm²	4x16 mm²	185x252x152	M40 (19-28)	**151452**	1
4x25 mm² 3G (2F+⏚) 25 mm² 4x35 mm² 3G (2F+⏚) 35 mm²	4x40 mm²	185x252x152	M40 (19-28)	**151464**	1
3x50+25 mm² 3G (2F+⏚) 50 mm² 3x70+35 mm²	4x70 mm²	252x315x193	M50 (26-35)	**151475**	1
3G (2F+⏚) 70 mm²	4x70 mm²	252x315x193	M63 (34-45)	**151485**	1

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TUNNEL54 SERIES
Line junction enclosures for power supply lines for tunnel foodlights
IP66 -> IK10
850°C for 90'



Line cable sections	Pole/section terminals	External dimensions (mm)	Cable gland line (mm)	Palazzoli code	Pack Q.ty
4x4 mm² 3G (2F+⏚) 4 mm²	4x6 mm²	252x185x152	M32 (11-21)	**151641**	1
4x6 mm² 3G (2F+⏚) 6 mm²					
4x10 mm² 3G (2F+⏚) 10 mm²	4x16 mm²	252x185x152	M32 (11-21)	**151642**	1
4x16 mm² 3G (2F+⏚) 16 mm²	4x16 mm²	252x185x152	M40 (19-28)	**151652**	1
4x25 mm² 3G (2F+⏚) 25 mm²	4x40 mm²	252x185x152	M40 (19-28)	**151664**	1
4x35 mm² 3G (2F+⏚) 35 mm²					
3x50+25 mm² 3G (2F+⏚) 50 mm²	4x70 mm²	315x252x193	M50 (26-35)	**151675**	1
3x70+35 mm² 3G (2F+⏚) 70 mm²	4x70 mm²	315x252x193	M63 (34-45)	**151685**	1

Characteristics:
4-pole terminal block fixed on ceramic base with brass conductive bars and two screw non-loosening terminals.
No. 2 IP68 nickel-plated brass cable glands with ISO metric thread and cable radial fastening.
M6 inside and outside earth terminal.



UNI SERIES
Brass screwcaps with metric pitch thread
IP68

Thread	Thread lenght (mm)	Palazzoli code	Pack Q.ty
M16x1,5	6	**582316**	100
M20x1,5	6	**582320**	100
M25x1,5	7	**582325**	100
M32x1,5	8	**582332**	50
M40x1,5	8	**582340**	25
M50x1,5	9	**582350**	25
M63x1,5	10	**582363**	10

Complementary items:
polygonal nuts on page 146.



TUNNEL54 SERIES
Pair of supports for tunnel enclosures fastening

Manufacture material	For boxes dimensions	Palazzoli code	Pack Q.ty
Stainless steel AISI 316L	185x185 / 252x185	**151901**	10
Stainless steel AISI 316L	185x252 / 315x252	**151902**	10
Stainless steel AISI 316L	252x315	**151903**	10

Equipment:
screws for enclosures fastening.

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Marine

Section



UNAV PLUGS AND INTERLOCKED SOCKET-OUTLETS



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PLUGS, SOCKET-OUTLETS, INDUSTRIAL DISTRIBUTION BOARDS AND TURRETS

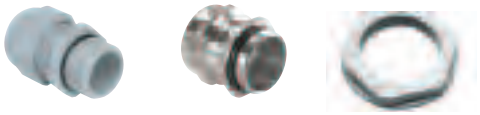


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SMALL DEVICES FOR CONTROLLING, USING ENERGY AND SIGNALLING



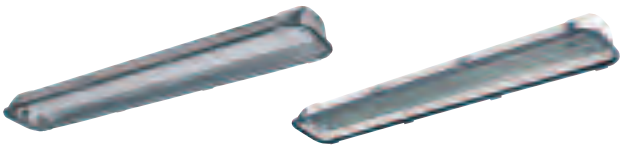
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CONTROL, PROTECTION AND SIGNALLING DEVICES



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CEE
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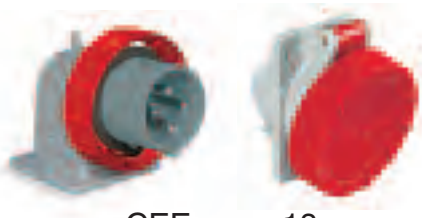


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LIGHTING

POWER FOR CONTAINER HANDLING

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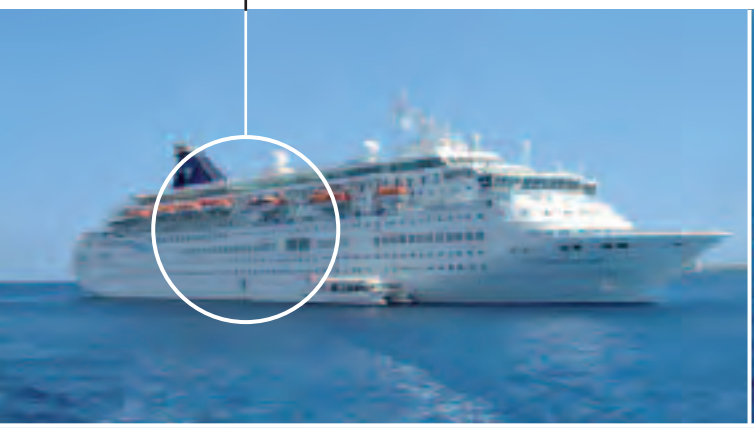


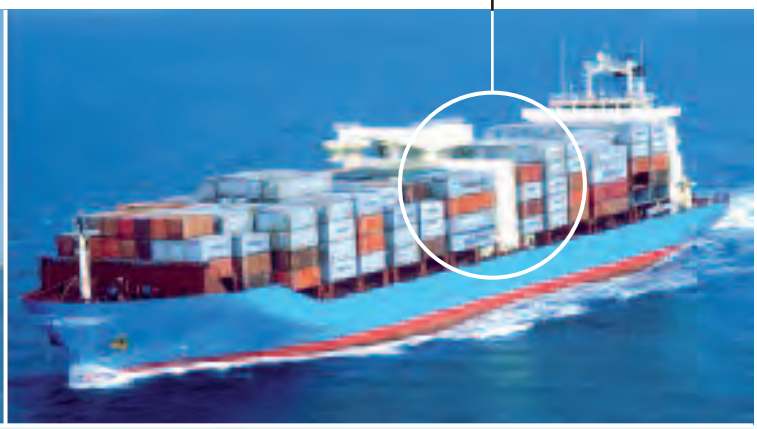


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INTERLOCKED SOCKET-OUTLETS MARINE USE

The products and recommended applications

ABOARD SHIP				SHIPYARDS	
Signal	Technical rooms	Onboard garage	Container areas	Fixed systems	Mobile systems
	THERMOSETTING (GRP)				
	 TAIS IP67		 TAIS IP67 with incorporated MCB	 TAIS IP67	
		ALUMINIUM ALLOY			
		 ALUPRES IP67	 ALUPRES IP67 with incorporated MCB	 ALUPRES IP67	
BRASS					
 NAVE IP56					





TAIS 230

In thermosetting (GRP) material IP65/IP67



ALUPRES 230

In aluminium IP55/IP67



topTER 231

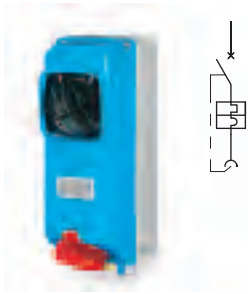
In thermoplastic IP66/IP67



NAVE 231

In brass IP56/IP66

Thermosetting (GRP)



TAIS SERIES
Wall-mounted socket-outlet with **MCB**, mechanical interlock, signal lamp, in thermosetting (GRP) insulating modular enclosure
IP67 > IK10

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	●	3P+⏚	3	**474771**	1



TAIS SERIES
Wall-mounted interlocked socket-outlet with **direct power supply** in thermosetting (GRP) insulating modular enclosure IP67 > IK10

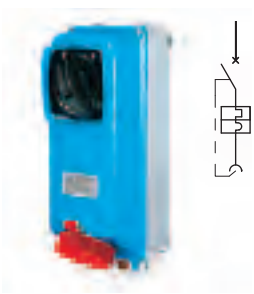
Rated current (A)	Rated voltage	Voltage colour	Dimensions (mm)	Poles	h ref.	Palazzoli code	Pack Q.ty
32	380/440V	●	91,5x240	3P+⏚	3	**469233**	1



TAIS SERIES
Wall-mounted interlocked socket-outlets and **EN50022 rail**, transparent door, in thermosetting (GRP) modular enclosure
IP67 > IK10

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	●	3P+⏚	3	**472133**	1

Aluminium



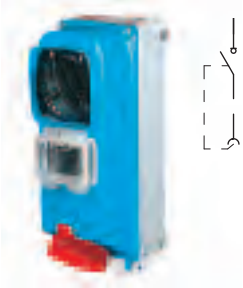
ALUPRES SERIES
Wall-mounted socket-outlets with **MCB**, mechanical interlock, signal lamp in modular enclosure made of aluminium alloy - IP67 > IK10

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	●	3P+⏚	3	**474486**	1



ALUPRES SERIES
Wall-mounted interlocked socket-outlet with **direct power supply** in thermosetting (GRP) insulating modular enclosure IP67 >IK10

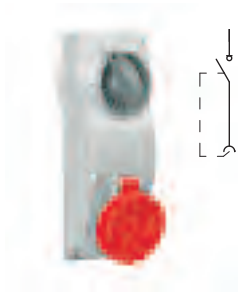
Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32	380/440V	●	3P+⏚	3	**460233**	1



ALUPRES SERIES
Wall-mounted interlocked socket-outlets, **EN50022 rail** and transparent door in aluminium alloy modular enclosure IP67 >>IK10

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	●	3P+⏚	3	**472735**	1

Thermoplastic



topTER SERIES
Interlocked socket-outlets for thermoplastic distribution board installations
IP66/IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	●	3P+⏚	3	**491233**	1

Brass



NAVE SERIES
Watertight UNAV 2169 plugs in brass enclosure painted marine grey, with switch, for supply to refrigerated containers
IP66

Rated current (A)	Frequency	Rated voltage	Poles	h ref.	No. entries	Entries	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	3P+⏚	3	1	30x18 M30x2 UNAV 1948	**472401**	1
	50/60Hz	380/440V	3P+⏚	3	2 side opposite	1" gas	**472411**	1



NAVE SERIES
UNAV 2172 watertight plug in painted marine grey brass
IP66

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	●	3P+⏚	3	**477411**	2

Equipment:
36x21 cable gland UNAV 1948.
Uses:
for refrigerated containers power supply.



CEE SERIES
High performance straight watertight plugs, low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	●	3P+⏚	3	**477486**	1



CEE SERIES
90° angled watertight wall-mounting appliance inlets, high performance and low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	●	3P+⏚	3	**476486**	1

Complementary items: watertight covers on page 26.



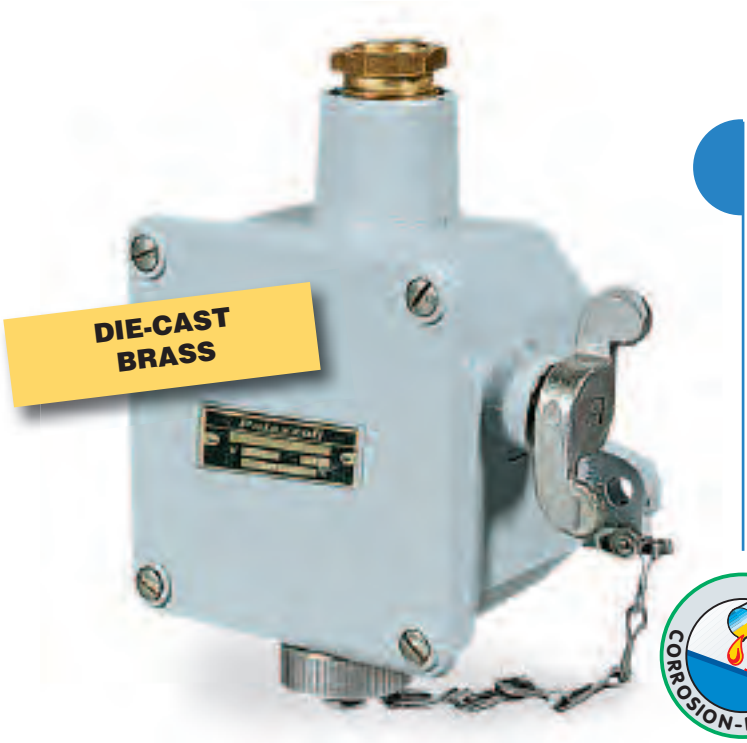
CEE SERIES
Watertight straight connectors, high performance and low voltage
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	●	3P+⏚	3	**473486**	1



topTER SERIES
Angled fixed plugs for distribution board installation
IP66/IP67

Rated current (A)	Freq.	Rated voltage	Voltage colour	Dimensions (mm)	Poles	h ref.	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	●	88x100	3P+⏚	3	**489233**	1



NAVE series
Corrosion Immunity

Watertight fixed interlocked socket-outlets in brass to UNAV standards

CORROSION-PROOF

No cracks

TECHNIQUE

The NAVE SERIES plugs and socket-outlets are designed for the specific system requirements for use on board container ships and ferries, in warehouses for container transit and shipping and in maritime terminals. The enclosures are made of die-cast brass, oven-painted in marine grey. The cover and internal/external floor fixing screws are made of stainless steel. The plug has bayonet connection for plug watertight locking. The ring nut and the protection cover are made of self-extinguishing insulating materials, held back by a stainless steel chain. The insulating contact holding part is in thermosetting (GRP) material and the socket contacts are made of nickel-plated brass. The plug has the grip and ring nut in die-cast brass and nickel coated brass pins. The UNAV connections are ideal for cables with minimum section of 2.5 and maximum section of 10mmq. The cable gland in insulating material is equipped with cable clamp that adapts to the different cable diameter, from the minimum to the maximum section, turning the position of the two installation collars of 180°. All the equipment is only made of watertight material (IPX5 for below board or covered applications and IP56 for use on the open deck since it is subject to the risk of flooding). It generally complies with the UNAV naval standardisation tables.

Trademarks, symbols, awards

UNAV

THE ADVANTAGES



ETERNAL
All the components of the NAVE series are made of non-magnetic material with very high resistance to oxidation, such as die-cast solid brass, stainless steel, which ensures durability.



SUPER-RESISTANT
Characterised by a reinforced structure with even thicker walls, they are ideal in cases of extreme stress/vibrations (engine rooms) and also ensure high impact resistance.



ECO-FRIENDLY
Brass does not cotain toxic substances. It is, therefore, in conformity with the current directives regarding health and ecology.

NAVE series

PRODUCT SPECIFICATIONS

Conformity to standards:	specific UNAV standards	
Protection rating:	IP66	
Impact resistance:	> IK 10	
Temperature resistance:	Operating:	-40°C - +70°C
	Storage:	-50°C - +80°C
Casing:	Painted solid brass	



NAVE SERIES
Watertight UNAV 1436 interlocked plugs in brass enclosure painted marine grey, with cable glands
UNAV 1948
IP56

Rated current (A)	Rated voltage	Poles	No. cable glands	Palazzoli code	Pack Q.ty
10	127V~	2P+⏚	1	**462151**	1
	230V~	2P+⏚	1	**462131**	1

Equipment:
brass cable glands M24x1.5. Earth screws inside and outside the box.



NAVE SERIES
Watertight UNAV 1437 plugs with ring-nut and rubber protection sleeve
IP56

Rated current (A)	Rated voltage	Poles	Palazzoli code	Pack Q.ty
10	24V~	2P+⏚	**467021**	10
	127V~	2P+⏚	**467051**	10
	230V~	2P+⏚	**467031**	10



NAVE SERIES
Watertight UNAV 2169 plugs in brass enclosure painted marine grey, with switch, for supply to refrigerated containers
IP66

Rated current (A)	Frequency	Rated voltage	Poles	h ref.	No. entries	Entries	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	3P+⏚	3	1	30x18 M30x2 UNAV 1948	**472401**	1
	50/60Hz	380/440V	3P+⏚	3	2 side opposite	1" gas	**472411**	1

Equipment:
brass cable glands 3x16 mm² terminal block on ceramic support.
Characteristics:
switch is controlled directly by inserting/removing the plug.
Uses:
on board container ships and ferries, in container warehouses and maritime, naval, railway terminals, etc.



NAVE SERIES
Watertight screwcaps with gasket for UNAV 2169 socket outlet entries
IP66

Thread	Manufacture material	Palazzoli code	Pack Q.ty
1" gas	brass	**472901**	10



NAVE SERIES
UNAV 2172 watertight plug in painted marine grey brass
IP66

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
32	50/60Hz	380/440V	red	3P+⏚	3	**477411**	2

Equipment:
36x21 cable gland UNAV 1948.
Uses:
for refrigerated containers power supply.

Spare parts page 374
Product specifications page 233
Dimensions page 430

Pontoon installed distribution turrrets





B-SMART 235

For wharfs



B-SMART 236

For camp sites and urban areas



B-SMART 236

For fire prevention



B-SMART 237

Technical accessories

B-SMART series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60439-1	CEI 17-13/1
Protection rating:	IP56	
Impact resistance:	>> IK 10	
Protections:	1 residual current circuit-breaker for each socket-outlet	
Lighting:	9W 230V flourescent lamp	
Insulation class:	II	
Temperature resistance:	Operating:	-25°C - +50°C
	Storage:	-30°C - +70°C



B-SMART SERIES
Compact turrets in stainless steel **AISI 316L** for wharfs with 2 industrial socket-outlets and 2 water taps Class II - >>IK10
IP56

Industrial socket-outlets 2P+⏚ 220V	Dimensions (mm)	Palazzoli code	Pack Q.ty
2x16A	360x895x208	**576100**	1
1x16A / 1x32A	360x895x208	**576101**	1



B-SMART SERIES
Compact turrets in stainless steel **AISI 316L** for wharfs with 2 industrial socket-outlets and 2 water taps Class II - >>IK10
IP56

Industrial interlocked socket-outlets 2P+⏚ 220V	3P+⏚ 380V	3P+N+⏚ 380V	Dimensions (mm)	Palazzoli code	Pack Q.ty
2x16A			360x895x208	**576110**	1
1x16A 1x32A			360x895x208	**576111**	1
		2x63A	360x895x208	**576112**	1
		1x32A 1x63A	360x895x208	**576113**	1

Characteristics:
3P+N+⏚ 35 mm² power supply terminal block, 2P 6 mm² lighting circuit terminal block. Switch compartment door with triangular safety lock. Anti-wrench device for cables. Suitable for fastening onto concrete using max M8 threaded pins (not supplied).
Equipment:
the cabinet is supplied with 9W-230V fluorescent lighting, power supply and G23 lampholder (bulb not supplied). Water taps (to fit) with 1/2" female coupling and hose connection.



B-SMART SERIES
Standard stainless steel turrets **AISI 316L** for wharfs with 4 interlocked socket-outlets and 4 water taps Class II ->> IK10
IP56

Industrial interlocked socket-outlets 2P+⏚ 220V	3P+⏚ 380V	3P+N+⏚ 380V	Dimensions (mm)	Palazzoli code	Pack Q.ty
4x16A			360x895x276	**576200**	1
4x32A			360x895x276	**576201**	1
2x16A	2x16A		360x895x276	**576202**	1
2x16A 2x32A			360x895x276	**576203**	1
2x16A		2x16A	360x895x276	**576205**	1
2x16A	1x16A	1x32A	360x895x276	**576206**	1

Characteristics:
3P+N+⏚ 35 mm² power supply terminal block, 2P 6 mm² lighting circuit terminal block. Switch compartment door with triangular safety lock. Anti-wrench device for cables. Suitable for fastening onto concrete using max. M10 threaded pins (not supplied).
Equipment:
the cabinet is supplied with 9W-230V fluorescent lighting, power supply and G23 lampholder (bulb not supplied). Water taps (to fit) with 1/2" female coupling and hose connection.



B-SMART SERIES
Turrent for stainless steel wharf-end **AISI 316L** prepared for protection devices
Class II - >> IK10
IP56

No. modules EN50022	Dimensions (mm)	Palazzoli code	Pack Q.ty
36 (12x3)	360x895x276	**576800**	1

Characteristics:
the protection devices can be mounted on EN50022 rail in 3 separate watertight insulating enclosures. The input and output of the power supply lines can be made from below. Suitable for fastening onto concrete using max. M10 threaded pins (not supplied).
Application:
it can be used as a control board (e.g. for lighting and watering) in gardens, parks or squares.

Product specifications page 235
Dimensions page 410



B-SMART SERIES
Stainless steel standard turrets **AISI 316L** for camp sites with 4 industrial socket-outlets
Class II - >> IK10 - IP56

Industrial socket-outlets 2P+⏚ 220V	Dimensions (mm)	Palazzoli code	Pack Q.ty
4x16A	360x895x276	**576401**	1

Characteristics:
3P+N+⏚ 35 mm² power supply terminal block, 2P 6 mm² lighting circuit terminal block. Switch compartment door with triangular safety lock. Anti-wrench device for cables. Suitable for fastening onto concrete using max. M10 threaded pins (not supplied).
Equipment:
the cabinet is supplied with 9W-230V fluorescent lighting, power supply and G23 lampholder (bulb not supplied).



B-SMART SERIES
Stainless steel standard turrets **AISI 316L** for camp sites with 4 interlocked socket-outlets
Class II - >> IK10 - IP56

Industrial socket-outlets 2P+⏚ 220V	Dimensions (mm)	Palazzoli code	Pack Q.ty
4x16A	360x895x276	**576400**	1

Characteristics:
3P+N+⏚ 35 mm² power supply terminal block, 2P 6 mm² lighting circuit terminal block. Switch compartment door with triangular safety lock. Anti-wrench device for cables. Suitable for fastening onto concrete using max. M10 threaded pins
(not supplied).
Equipment:
the cabinet is supplied with 9W-230V fluorescent lighting, power supply and G23 lampholder (bulb not supplied).



B-SMART SERIES
Fire prevention turrets in stainless steel **AISI 316L** for an extinguisher
Class II - IP56

Housable extinguisher	Dimensions (mm)	Palazzoli code	Pack Q.ty
1 6 or 9 kg extinguisher	360x895x276	**576600**	1

Characteristics:
flat breakable glass with “SAFE CRASH” patent. the cabinet is supplied with 9W-230V fluorescent lighting, red diffuser and G23 lampholder (bulb not supplied) Suitable for fastening onto concrete using max. M10 threaded pins (not supplied).



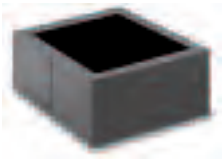
B-SMART SERIES
Stainless steel fire prevention turret **AISI 316L** equipped with fire hose and nozzle
Class II - IP56

Equipment	Dimensions (mm)	Palazzoli code	Pack Q.ty
Fire hose and nozzle	360x895x276	**576601**	1

Characteristics:
20m “gomel” fire hose, 45mm diameter. AWG UNI45 nozzle with 3 effects complete with1”1/2 UNI45 brass tap. Flat breakable glass with “SAFE CRASH” patent. The cabinet is supplied with 9W-230V fluorescent lighting, red diffuser and G23 lampholder (bulb not supplied) Suitable for fastening onto concrete using max. M10 threaded pins (not supplied).

Product specifications page 235
Dimensions page 410

B-SMART SERIES
Base for turret rising B-SMART



For turret	Application	Material	Palazzoli code	Pack Q.ty
Compact	Rising 65 mm and	Stainless steel	**575701**	1
Standard	earth flush-mounted		**575702**	1



B-SMART SERIES
Flat breakable “SAFE CRASH” glass for fire prevention cabinets.

Description	Palazzoli code	Pack Q.ty
flat breakable glass with “SAFE CRASH” patent	**575706**	1

B-SMART SERIES
Decorative frame in stainless steel for floor-standing distribution cabinets



Description	For turret	Palazzoli code	Pack Q.ty
Stainless steel frame with fixing screws	compact	**575711**	1
Stainless steel frame with fixing screws	standard	**575710**	1



B-SMART SERIES
Lock kit for distribution cabinet doors for wharfs and camp sites

Description	Palazzoli code	Pack Q.ty
Kit with 2 keys with standardised code	**575708**	1

Watertight junction boxes





PH 124

In thermoplastic material IP65



TAIS-MIGNON 124

In thermosetting (GRP) material IP65



TAIS

In thermosetting (GRP) material IP67 126
In thermosetting (GRP) material IP68 126



NAVE 239

In brass and GRP material IP66/67



ALUPRES 127

Heavy-duty use in aluminium
IP55/IP67

NAVE series

PRODUCT SPECIFICATIONS

Conformity to standards:	specific UNAV standards	
Protection rating:	IP66/IP67	
Impact resistance:	> IK 10	
Temperature resistance:	Operating:	-40°C - +70°C
	Storage:	-50°C - +80°C
Casing:	thermosetting (GRP) / Polished brass Painted brass	



NAVE SERIES
Watertight UNAV 2181 junction boxes with blind walls, with terminal block, in thermosetting (GRP) material
IP67

External dimensions (mm)	Terminal blocks	Palazzoli code	Pack Q.ty
92x92x100	4x6 mm²	**115200**	1
125x92x100	2 4x6 mm² lines	**115201**	1
125x92x42	2 4x6 mm² lines	**115202**	1



NAVE SERIES
Watertight UNAV 1398 junction box in brass painted marine grey, with terminal block and UNAV 1948 cable glands
IP66

Internal diameter (mm)	Terminal blocks	No. cable glands	Palazzoli code	Pack Q.ty
70	4x6 mm²	2 opposite	**115125**	1
70	4x6 mm²	3 opposite	**115135**	1
70	4x6 mm²	4 opposite	**115145**	1

Equipment:
M24x1.5 brass cable glands with gasket.
Earth screws inside and outside the box
Characteristics:
terminal block with mantle terminals.
Complementary items:
M24x1.5 cable glands on page 255.



NAVE SERIES
Watertight UNAV 2161 junction boxes in brass painted marine grey, with double opposite entry points, together with terminal block and UNAV 1948 cable glands
IP66

Internal diameter (mm)	Terminal blocks	No. cable glands	Palazzoli code	Pack Q.ty
62	4x6 mm²	2 opposite + 2 caps	**115628**	1
62	4x6 mm²	3 opposite + 1 cap	**115638**	1
62	4x6 mm²	4 opposite	**115648**	1

Equipment:
M24x1.5 brass cable glands with gasket.
Earth screws inside and outside the box
Characteristics:
terminal block with mantle terminals.
Complementary items:
M24x1.5 cable glands on page 255.



NAUTILUX SERIES
UNAV 1398 watertight junction box in solid brass with terminal block
IP66

Internal diameter (mm)	Terminal blocks	No. cable glands	Cable glands	Palazzoli code	Pack N.
70	4x6 mm²	2	24x14 UNAV1948 M24x1,5	**861551**	1

Equipment:
with 2 brass cable glands.
Complementary items:
M24x1.5 cable glands on page 255.

Product specifications page 239
Dimensions page 431

Small devices in modular enclosures





domoTER 174

With thermoplastic enclosure



TAIS MIGNON 180

With thermosetting (GRP) enclosure



TAIS MIGNON 185

Panel-mounted thermosetting (GRP) enclosure



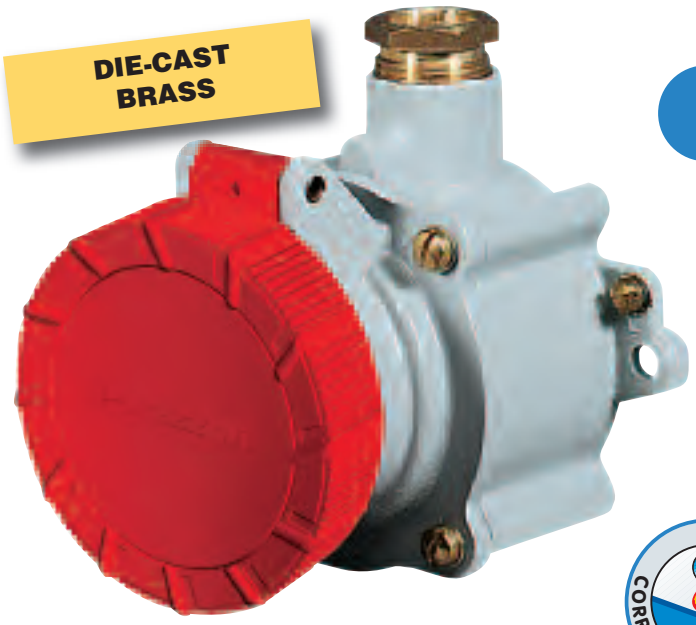
NAVE 242

With brass enclosure IP66



RONDÓ 189

With aluminium alloy enclosure



NAVE series
Corrosion Immunity

Watertight devices for marine use



No cracks

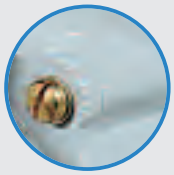
TECHNIQUE

The NAVE SERIES plugs and socket-outlets are designed for the specific system requirements for use on board container ships and ferries, in warehouses for container transit and shipping and in maritime terminals. The enclosures are made of die-cast brass, oven-painted in marine grey. The cover and internal/external floor fixing screws are made of stainless steel. The cam control switch is equipped with contact holding disks in self-extinguishing anti-arc insulating thermosetting (GRP) material and double break contacts in special silver alloy. The plug has bayonet connection for plug watertight locking. The ring nut and the protection cover are made of self-extinguishing insulating materials, held back by a stainless steel chain. The insulating contact holding part is in thermosetting (GRP) material and the socket contacts are made of nickel-plated brass. The plug has the grip and ring nut in die-cast brass and nickel coated brass pins. The UNAV connections are ideal for cables with minimum section of 2.5 and maximum section of 10mmq. All the equipment is only made of watertight material (IPX5 for below board or covered applications and IP56 for use on the open deck since it is subject to the risk of flooding). It generally complies with the UNAV naval standardisation tables.

Trademarks, symbols, awards

UNAV

THE ADVANTAGES



WEAR-RESISTANT
The brass used by Palazzoli performs very well in sea water and it is ideal for dezincification and corrosion problems.



HARDER AND MORE RESISTANT
The mechanical structure, thicknesses used and compact dimensions make the NAVE series extremely solid and resistant to accidental impacts (>> IK10). The IP56 protection rating guarantees they are water, dust and pollution proof.



SCRATCH RESISTANT
The NAVE series are subject to a scratch resistant treatment which makes it more durable against abrasion.

NAVE series

PRODUCT SPECIFICATIONS

Conformity to standards:	specific UNAV standards	
Protection rating:	IP66 / IP67S	
Impact resistance:	> IK 10	
Temperature resistance:	Operating:	-40°C - +70°C
	Storage:	-50°C - +80°C
Casing:	Polished and painted solid brass	



NAVE SERIES
Watertight UNAV 2162 rotary switches in brass enclosure painted marine grey, together with UNAV 1948 cable glands
250V IP66

Rated current (A)	Poles	No. cable glands	Palazzoli code	Pack Q.ty
10	1	1	**232616**	1
	1	2 combined	**232626**	1
	1	2 opposite	**232636**	1
	2	2 combined	**232627**	1
	2	2 opposite	**232637**	1

Equipment:
with M24x1.5 brass cable glands.
Earth screws inside and outside the box.



NAVE SERIES
Watertight UNAV 2162 two-way switches in brass enclosure painted marine grey, together with UNAV 1948 cable glands
250V - IP66

Rated current (A)	Poles	No. cable glands	Palazzoli code	Pack Q.ty
10	2	2 combined	**232628**	1

Equipment:
with M24x1.5 brass cable glands.
Earth screws inside and outside the box.



NAUTILUX SERIES
UNAV 2162 watertight rotary control switch in solid brass enclosure
250V - IP66

Rated current (A)	Poles	No. cable glands	Cable glands	Palazzoli code	Pack Q.ty
10	1	1	24x14 UNAV1948 M24x1,5	**861550**	1

Equipment:
with brass cable gland.

Spare parts page 374
Product specifications page 242
Dimensions page 432



NAVE SERIES
Watertight UNAV 2166 wall-mounted socket-outlets in brass enclosure painted marine grey, with UNAV 1948 cable glands
250V - IP66

Rated current (A)	Frequency	Rated voltage	Voltage colour (h)	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	230V		2P+⏚	6	**478213**	1
	50-60Hz	230V		3P+⏚	9	**478313**	1
	50-60Hz	400V		3P+⏚	6	**478323**	1

Equipment:
brass M24x1.5 cable gland.
Characteristics:
contact holder insert in thermosetting (GRP) self-extinguishing material.
Complementary items:
straight plugs on page 25,
90° angled plugs on page 27.



NAVE SERIES
Watertight UNAV 1435 socket-outlets in brass enclosure painted marine grey, with UNAV 1948 cable glands
250V - IP66

Rated current (A)	Rated voltage	Poles	No. cable glands	Palazzoli code	Pack Q.ty
10	24V~	2P+⏚	1	**461121**	1
	127V~	2P+⏚	1	**461151**	1
	230V~	2P+⏚	1	**461131**	1

Equipment:
brass M24x1.5 cable gland. Earth screws inside and outside the box.



NAVE SERIES
Watertight UNAV 1437 plugs with ring-nut and rubber protection sleeve
IP56

Rated current (A)	Rated voltage	Poles	Palazzoli code	Pack Q.ty
10	24V~	2P+⏚	**467021**	10
	127V~	2P+⏚	**467051**	10
	230V~	2P+⏚	**467031**	10

Spare parts page 374
Product specifications page 239
Dimensions page 432





NAVE 245

Brass sirens



NAVE 245

Brass bells

NAVE series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60529	IEC 60529
	UNAV 1948 / UNAV 1382	
Protection rating:	IP66	
Impact resistance:	> IK 10	
Temperature resistance:	Operating:	-40°C - +70°C
	Storage:	-50°C - +80°C



NAVE SERIES
Watertight UNAV 1382 bells for signalling and alarm in brass enclosure painted marine grey, with UNAV 1948 cable gland IP66 250V - IP66

Rated voltage	Frequency	1 metre sound level (dB)	Power (VA)	Cable glands	Palazzoli code	Pack Q.ty
24V~	50/60Hz	107/105	60VA initial vibrating 25VA	1x M24x1,5	**900553**	1
110V~	50/60Hz	107/105	60VA initial vibrating 25VA	1x M24x1,5	**900563**	1
230V~	50/60Hz	107/105	60VA initial vibrating 25VA	1x M24x1,5	**900573**	1

Equipment:
cable gland with gasket, terminal block in insulating thermosetting (GRP) material.
Characteristics:
with vibrating diaphragm, they are suitable for continuous and with 1 hour pause every 4 hours operation Earth screws inside and outside the box.



NAVE SERIES
Directional horn for UNAV 1382 sirens in brass painted marine grey

Diameter max (mm)	Projection siren+horn (mm)	Palazzoli code	Pack Q.ty
112	238	**900548**	1

Equipment:
inclusive of stainless steel fixing screws.



NAVE SERIES
Watertight UNAV 1384 bells for signalling and alarm in brass enclosure painted marine grey, with UNAV 1948 cable gland - IP66

Rated voltage	Drum diameter (mm)	1 metre sound level (dB)	Power (VA)	Cable glands	Palazzoli code	Pack Q.ty
24V~	105	101	initial 13VA 11VA vibrating	1x M24x1,5	**900355**	1
110V~	105	101	initial 13VA 11VA vibrating	1x M24x1,5	**900365**	1
230V~	105	101	initial 13VA 11VA vibrating	1x M24x1,5	**900375**	1

Equipment:
cable gland with gasket, terminal block in thermosetting (GRP) material.
Characteristics:
these are suitable for continuous or extended operation.
Earth screws inside and outside the box.

Spare parts page 373
Product specifications page 245
Dimensions page 420

LIGHTING FIXTURES

The products and recommended applications

ABOARD SHIP

Bulkhead	Outside	Inside	Engine rooms

STAINLESS steel AISI 316L

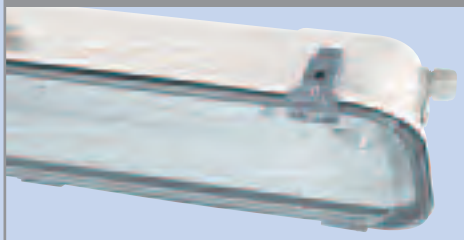


RINO IP65



RINO IP65

PAINTED GLAVANISED STEEL



RINO IP65

BRASS



NAVE IP66



NAVE IP66

ALUMINIUM ALLOY



NAVE IP66





RINO 249
Painted stainless steel lighting fixtures for outdoors



RINO 249
Painted galvanised steel lighting fixtures for indoors



NAVE 252
UNAV lighting fixtures



RINO 254
Oval and round aluminium lighting fixtures



NAVE 255
Watertight lighting fixture



RINO 256
Watertight portable lighting fixture



STAINLESS AND GALVANISED STEEL

RINO Series
Stainless

Stainless and painted galvanised steel lighting fixtures AISI 316



No welding

TECHNIQUE

The RINO marine fixture is designed to be an excellent product according to the type of boats to be illuminated. In fact there are versions available for external use with stainless steel body AISI 316L white painted and polycarbonate opaline white diffuser, for internal use with body in white painted galvanised steel and transparent polycarbonate diffuser and for bulkhead with pair of connections. The electrifications available range from versions with a low-leakage electromagnetic power supply to an electronic power supply and the version for emergencies. They answer the highest quality standards guaranteeing reliability and superior performance, such as, for example, the production of a single shaped body with high photometric. All lighting fixtures are designed in compliance with IEC EN60598-1 and IEC EN60598-2-1 Standards.

Trademarks, symbols, awards

03

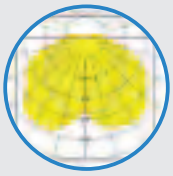
THE ADVANTAGES



NO WELDING
Folded cut inserts which works as a substitution of weldings, guarantees the stainless quality of the product as well as the very high durability over time.



SAFE
The marine fixtures are equipped with stainless steel fixing pins with pre-assembled anti-vibration systems. The bolts are in stainless steel and guarantee perfect seal and maximum impact resistance.



ELEVATED BRIGHTNESS
The special setting of the RINO MARINE series lens guarantees enough lighting to reduce the number of lighting fixtures and save in terms of energy consumption.

RINO series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60598-1	
	CEI EN 60598-2-1	CEI 34-23
Protection rating:	IP65	
Impact resistance:	> IK 10	
Temperature resistance:	Operating:	-15°C - +50°C
	Storage:	-40°C - +70°C
Casing:	Stainless Steel AISI 316L painted	
	Painted glavanised steel	
Diffuser:	Tempered glass / shockproof polycarbonate	
Lampholder:	G13 / G5	
Homologations:	R.I.NA	



RINO SERIES
Stainless steel **painted** fixtures and **opaline polycarbonate** diffuser for ceilings
230V -60 Hz - **IP65**



2 inputs per heading

Power (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
2x18	Electromagnetic	G13 T8	**878102**	1
2x36	Electromagnetic	G13 T8	**878202**	1
2x18	Electronic 230VAC/DC	G13 T8	**878132**	1
2x36	Electronic 230VAC/DC	G13 T8	**878232**	1
(1+1)x18	Emergency	G13 T8	**878111**	1
(1+1)x36	Emergency	G13 T8	**878211**	1

Characteristics: versions with electromagnetic power supply with p.f. correction capacitor.
Equipment: No. 2 2P⏚ terminal blocks for power supply entry/output. No. 2 M20 nickel-plated brass cable glands. No. 2 M20 caps in nickel-plated brass Kit for ceiling fixing with screw and M8 bolt.
On request: supplementary external earth connection with M6 bolt.



RINO SERIES
Stainless steel painted fixtures and **opaline polycarbonate** diffuser **for bulkhead**
230V -60 Hz - **IP65**

Power (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
2x18	Electromagnetic	G13 T8	**881102**	1
2x18	Electronic 230VAC/DC	G13 T8	**881132**	1

Characteristics: version with electromagnetic power supply with p.f. correction capacitor. Prepared for bulkhead connections.
Equipment: No. 2 2P+⏚ terminal blocks for power supply entry/output.
On request: supplementary external earth connection with M6 bolt
Complementary items: bulkhead connections code 820007.

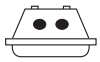


RINO SERIES
Pair of bulkhead connections for external light fixtures

Fixtures	Palazzoli code	Pack Q.ty
For external bulkhead fixtures code 881102 and 881132	**820007**	1



RINO SERIES
Galvanised painted-glass lighting fixtures - **polycarbonate** with **white reflector**
230V -60 Hz - **IP65**



2 inputs per heading

Power (W)	Power supply	Lampholders and lamps	Palazzoli code	Pack Q.ty
2x18	Electromagnetic	G13 T8	**849102**	1
2x36	Electromagnetic	G13 T8	**849202**	1
2x18	Electronic 230VAC/DC	G13 T8	**849132**	1
2x36	Electronic 230VAC/DC	G13 T8	**849232**	1
(1+1)x18	Emergency	G13 T8	**849111**	1
(1+1)x36	Emergency	G13 T8	**849211**	1

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Dimensions page 428



NAVE series
Corrosion Immunity

UNAV standards
lighting fixtures



No cracks

TECHNIQUE

The NAVE SERIES marine lighting equipment reflects the past and future, combining aesthetics with functionality, and performance with style, with all the technological precision required by today's nautical standards. Brass is an elegant choice which is also resistant to corrosive agents in salty atmsopheres or traffic and industrial pollution. The E27 lampholders are made of porcelain, which offers higher insulation and resistance to heat and tracking than the highest quality synthetic resins.The various fittings are small but highly effective. For example, the non-ageing elastomer gaskets, stainless steel screws and machining have been made with the highest precision.

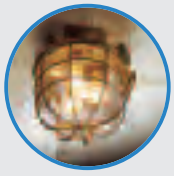
Trademarks, symbols, awards

UNAV

THE ADVANTAGES



SUPER-RESISTANT
Characterised by a reinforced structure with even thicker walls, they are ideal in cases of extreme stress/vibrations (engine rooms) and also ensure high impact resistance.



ETERNAL
All the components of the NAVE series are made of non-magnetic material with very high resistance to oxidation, such as die-cast solid brass, stainless steel, which ensures durability.



EASIER MAINTENANCE
Thanks to IP66 protection and the glass diffuser, periodical maintenance consists of simply cleaning the outer covering of brass and glass diffuser with a damp cloth or even water jets.

NAVE / RINO series

PRODUCT SPECIFICATIONS

Conformity to standards:	specific UNAV standards	
Protection rating:	IP66	
Impact resistance:	> IK 10	
Temperature resistance:	Operating:	-40°C - +70°C
	Storage:	-50°C - +80°C
Casing:	Painted solid brass	
Diffuser:	Pyrex type prismatized glass	
Lampholder:	E27 in porcelain	



NAVE SERIES
Housings in brass painted marine grey, with globe-holder rings for combinations of watertight UNAV 2134-1796 cylindrical lighting fixtures
250V - IP66

Lamp max. wattage (W)	Lampholder	No. cable glands	Cable glands	Palazzoli code	Pack Q.ty
60	E27	1	24x14 UNAV1948 M24x1,5	**815141**	1
60	E27	2 opposite	24x14 UNAV1948 M24x1,5	**815151**	1
60	E27	2 combined	24x14 UNAV1948 M24x1,5	**815161**	1
60	E27	2 combined	3/4" Bulkhead feedthrough fitting	**815181**	1

Equipment: brass cable glands with gaskets.
Internal and external earth screws.
Characteristics: The item 815181 is UNAV 1796 type.



NAVE SERIES
UNAV 1268 diffusers in smooth coloured glass for watertight cylindrical lighting fixtures

Lighting fixture max power	Colour	Palazzoli code	Pack Q.ty
60W	Transparent	**850060**	1
60W	Blue	**850061**	1
60W	Yellow	**850062**	1
60W	Red	**850063**	1
60W	Green	**850064**	1



RINO SERIES
Protection cage in stainless steel wire for watertight cylindrical lighting fixtures

Lighting fixture max power	Palazzoli code	Pack Q.ty
60W	**819022**	1
100W	**850172**	1



RINO SERIES
Reflectors in heat treated painted galvanized steel for watertight cylindrical lighting fixtures

Lighting fixture max power	Colour	Palazzoli code	Pack Q.ty
60W	White	**819030**	5
100W	White	**819130**	5
200W	White	**819230**	5



RINO SERIES
Shade in oven-painted galvanized steel, for directing light output from watertight cylindrical lighting fixtures

Lighting fixture max power	Colour	Palazzoli code	Pack Q.ty
60W	Aluminium	**819035**	1
100W	Aluminium	**819135**	1
200W	Aluminium	**819235**	1



NAVE SERIES
Swann type bayonet lampholder with tabs for watertight cylindrical lighting fixtures

Type	Lampholder material	Palazzoli code	Pack Q.ty
B22d 4A 250V	Brass	**859400**	1

Product specifications page 251
Dimensions page 433



NAVE SERIES
UNAV 2133 cylindrical watertight lighting fixtures in brass
brass marine grey
250V - IP66

Lamp max. wattage (W)	Lampholder porta	No. cable glands	Cable glands	Palazzoli code	Pack Q.ty
60	E27	2 combined	3/4" Bulkhead feedthrough fitting	**850054**	1

Equipment:
brass cable glands with gasket. Internal and external earth screws.
Characteristics:
cylindrical diffuser in smooth transparent glass.



NAVE SERIES
Housings in brass painted marine grey, for combinations of watertight UNAV 2133 cylindrical lighting fixtures - IP66

Lamp max. wattage (W)	Lampholder porta	No. cable glands	Cable glands	Palazzoli code	Pack Q.ty
60	E27	1	24x14 UNAV1948 M24x1,5	**850042**	1
60	E27	2 opposite	24x14 UNAV1948 M24x1,5	**850045**	1
60	E27	2 combined	3/4" Bulkhead feedthrough fitting	**850065**	1

Equipment:
brass cable glands with gasket. Internal and external earth screws.



NAVE SERIES
UNAV 1268 diffusers in smooth coloured glass for watertight cylindrical lighting fixtures

Lighting fixture max. wattage	Colour	Palazzoli code	Pack Q.ty
60W	Transparent	**850060**	1
60W	Blue	**850061**	1
60W	Yellow	**850062**	1
60W	Red	**850063**	1
60W	Green	**850064**	1



NAVE SERIES
Globe-holder ring in nickel-plated brass for UNAV 2133 watertight cylindrical lighting fixtures

Lighting fixture max. wattage	Palazzoli code	Pack Q.ty
60W	**850050**	1



NAVE SERIES
Globe-holder ring in nickel-plated brass with stainless steel cage for UNAV 2133 watertight cylindrical lighting fixtures

Lighting fixture max. wattage	Palazzoli code	Pack Q.ty
60W	**850058**	1

Spare parts page 375
Product specifications page 251
Dimensions page 433



NAVE SERIES
UNAV 2132 cylindrical watertight lighting fixtures in painted brass marine grey
250V - IP66

Lamp max. wattage (W)	Lampholder	No. cable glands	Cable glands	Palazzoli code	Pack Q.ty
100	E27	1	24x14 UNAV1948 M24x1,5	**850140**	1
100	E27	2 opposite	24x14 UNAV1948 M24x1,5	**850143**	1

Equipment:
brass cable glands with gasket. Internal and external earth screws.
Characteristics:
cylindrical diffuser in smooth transparent glass.



RINO SERIES
Protection cage in stainless steel wire for watertight cylindrical lighting fixtures

Lighting fixture max. wattage	Palazzoli code	Pack Q.ty
60W	**819022**	1
100W	**850172**	1



NAVE SERIES
Base in tropicalized steel for ceiling installation of UNAV 2132, 2133 and 2134 watertight cylindrical lighting fixtures

Type	Palazzoli code	Pack Q.ty
A UNAV 1228	**850090**	1



NAVE SERIES
Wall-mounting installation base in tropicalized steel for watertight UNAV 2132, 2133 and 2134 cylindrical lighting fixtures

Type	Palazzoli code	Pack Q.ty
B UNAV 1228	**850091**	1

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Product specifications page 251
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NAVE SERIES
Oval watertight lighting fixtures in brass painted marine grey with glass diffuser, type UNAV 2135 250V - IP66

Lamp max. wattage (W)	Lampholder	No. cable glands	Cable glands	Palazzoli code	Pack Q.ty
60	E27	1	24x14 UNAV1948 M24x1,5	**831069**	1
60	E27	2	24x14 UNAV1948 M24x1,5	**831089**	1
100	E27	1	24x14 UNAV1948 M24x1,5	**831109**	1
100	E27	2	24x14 UNAV1948 M24x1,5	**831189**	1
200	E27	1	24x14 UNAV1948 M24x1,5	**831209**	1
200	E27	2	24x14 UNAV1948 M24x1,5	**831289**	1

Equipment: M24x1.5 brass cable glands with gasket.
Internal and external earth screws.
Characteristics: diffuser in ribbed prismatic glass.



NAVE SERIES
Cage in stainless steel wire for oval lighting fixtures type UNAV 2135

Lighting fixtures max wattage	Palazzoli code	Pack Q.ty
60W	**831527**	1
100W	**831627**	1
200W	**831727**	1



NAVE SERIES
Swann B22d type bayonet lampholders with bracket for oval and round lighting fixtures

Type	Lampholder material	Palazzoli code	Pack Q.ty
B22d 4A 250V	Brass	**859412**	1

Equipment: installation bracket.

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NAVE SERIES
Watertight large lighting fixtures type UNAV 2139 brass painted marine grey 250V - IP66

Lamp max. wattage (W)	Lampholder	Cable glands	Palazzoli code	Pack Q.ty
3x100	3xE27	24x14 UNAV1948 M24x1,5	**850300**	1

Equipment:
M24x1.5 brass cable gland with gasket. Internal and external earth screws.
Characteristics:
globe-holder ring with hinge. Transparent glass diffuser.



NAVE SERIES
Watertight large lighting fixture type UNAV 2139 brass painted marine grey, including tropicalized steel cage
250V - IP66

Lamp max. wattage (W)	Lampholder	Cable gland	Palazzoli code	Pack Q.ty
3x100	3xE27	24x14 UNAV1948 M24x1,5	**850301**	1

Equipment:
M24x1.5 brass cable gland with gasket.
Internal and external earth screws.
Characteristics:
globe-holder ring with hinge. Transparent glass diffuser.



NAVE SERIES
Sprung installation base for UNAV 2139 large lighting fixtures

Type	Palazzoli code	Pack Q.ty
UNAV 1230 for 1/2" gas conduit	**850391**	1

Uses:
for pendant installation with 1/2" gas steel conduit.



NAVE SERIES
Brass cable glands including sleeve coupling, type UNAV 1948 IP66

Type	Palazzoli code	Pack Q.ty
B2 24 UNAV 1948 - M24x1,5	**585410**	10

Characteristics:
supplied without washers and gasket.



NAVE SERIES
Brass bush for earthing the cable reinforcement, type UNAV 1949 IP66

Internal diameter (mm)	Type	Palazzoli code	Pack Q.ty
8	B2 24 UNAV 1949	**585316**	10
9	B2 24 UNAV 1949	**585317**	10
10,5	B2 24 UNAV 1949	**585318**	10
13	B2 24 UNAV 1949	**585319**	10

Characteristics:
supplied without washers and gasket.



NAVE SERIES
Brass cable gland type: UNAV 1062

Type	Palazzoli code	Pack Q.ty
24 UNAV 1062	**585480**	10

Characteristics:
supplied without washers and gasket.

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NAVE SERIES
Brass washers with gasket in non-ageing elastomer

Internal diameter (mm)	Palazzoli code	Pack Q.ty
8	**585406**	10
9	**585407**	10
10	**585408**	10
11	**585409**	10
12	**585411**	10
13	**585412**	10
14	**585413**	10
15	**585414**	10
16	**585415**	10
17	**585416**	10



NAVE SERIES
Brass screwcap with gasket IP66

Thread	Palazzoli code	Pack Q.ty
M24x1,5	**585490**	10



NAVE SERIES
Portable watertight lighting fixture, UNAV 2137 type in thermosetting (GRP) material, with stainless steel protection cage 250V - IP65

Lamp max. wattage (W)	Lampholder	Palazzoli code	Pack Q.ty
60	E27	**814052**	1

Equipment: cable entry with 1 1/2" gas cable gland and internal cable clamp.
Characteristics: diffuser in ribbed clear glass. Porcelain lampholder.

Example of usage



Atex

Section



PLUGS AND INTERLOCKED SOCKET-OUTLETS



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SIRENS AND BELLS
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SMALL DEVICES FOR CONTROLLING AND SIGNALLING





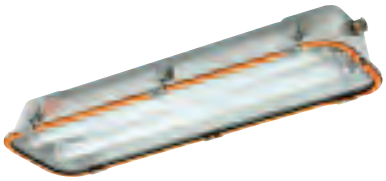
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LIGHTING DEVICES



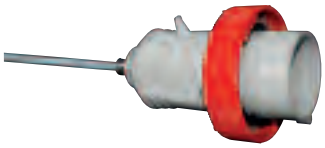


ALUMINIUM ALLOY LIGHTING FIXTURES 298



STAINLESS STEEL LIGHTING FIXTURES 300

TESTING DEVICES



DEVICES FOR
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ATEX SERIES
DEVICE CLASSIFICATION

CEE-Ex Plugs	
477203EX	
477213EX	
477223EX	
477303EX	
477313EX	
477323EX	
477403EX	
477413EX	
477423EX	
477513EX	
477523EX	
477216EX	II 3G Ex nA T6 X
477226EX	
477306EX	II 2D Ex tD A21
477316EX	IP66/IP67 T65°C
477416EX	
477426EX	
477516EX	
477317EX	
477417EX	
477427EX	
477517EX	
477318EX	
249538EX	
259538EX	
249550EX	

ULYSSE-EX Series	
400124EX	
400134EX	
400144EX	
400126EX	
400139EX	II 3G Ex nR T6 X
400149EX	
400129EX	II2D Ex tD A21
400136EX	IP66/IP67 T80°C
400146EX	
400137EX	
400147EX	
400234EX	
400244EX	
400226EX	II 3G Ex nR T6 X
400239EX	
400236EX	II2D Ex tD A21
400246EX	IP66/IP67 T90°C
400237EX	
400339EX	II 3G Ex nR T6 X
400336EX	
400346EX	II2D Ex tD A21
400337EX	IP66/IP67 T110°C
404124EX	
404134EX	
404144EX	
404126EX	II2D Ex tD A21
404139EX	IP66/IP67 T80°C
404149EX	
404129EX	
404136EX	
404146EX	
404234EX	
404244EX	
404226EX	II2D Ex tD A21
404239EX	IP66/IP67 T90°C
404236EX	
404246EX	
404339EX	II2D Ex tD A21
404336EX	IP66/IP67 T110°C
404346EX	
403124EX	II 3G Ex nR T6 X
403134EX	
403144EX	II2D Ex tD A21
403126EX	IP66/IP67 T85°C
403139EX	
403149EX	
403129EX	
403136EX	
403146EX	
403234EX	II 3G Ex nR T6 X
403244EX	
403226EX	II2D Ex tD A21
403239EX	IP66/IP67 T85°C
403236EX	
403246EX	
403339EX	
408126EX	
408136EX	II 3G Ex nR T6 X
408146EX	
408226EX	II2D Ex tD A21
408236EX	IP66/IP67 T80°C
408246EX	
408336EX	II 3G Ex nR T6 X
408346EX	
	II2D Ex tD A21
	IP66/IP67 T85°C
415001EX	II 3G Ex nR T6 X
415002EX	U
	II2D Ex tD A21
	IP66/IP67 T75°C
415000Ex	II 3G Ex nA T6

TAIS-Ex Series	
472610EX	
472710EX	
472810EX	
472620EX	
472720EX	
472820EX	
472630EX	
472730EX	
472830EX	
472750EX	II 3G Ex nR T6 X
472840EX	
472711EX	II2D Ex tD A21
472811EX	IP66/IP67 T80°C
472621EX	
472721EX	
472731EX	
472831EX	
472751EX	
472722EX	
472732EX	
472832EX	
472752EX	
464210EX	
464310EX	
464410EX	
464220EX	
464320EX	
464420EX	
464230EX	
464330EX	
464430EX	II2D Ex tD A21
464711EX	IP66/IP67 T85°C
464811EX	
464621EX	
464721EX	
464731EX	
464831EX	
464722EX	
464732EX	
464832EX	
474210EX	
474310EX	II3G Ex nR T6 X
474410EX	
474220EX	II2D Ex tD A21
474320EX	IP66/IP67 T85°C
474420EX	
474230EX	
474330EX	
474430EX	
474711EX	
474811EX	II3G Ex nR T6 X
474621EX	
474721EX	II2D Ex tD A21
474731EX	IP66/IP67 T85°C
474831EX	
474722EX	
474732EX	
474832EX	
470126EX	
470136EX	
470146EX	II 3G Ex nR T6 X
470226EX	
470236EX	II 2D Ex tD A21
470246EX	IP66/IP67 T90°C
470336EX	
470346EX	
532026EX	
532667EX	II 3G Ex nR T6 X
532618EX	U
532628EX	II2D Ex tD A21
532619EX	IP66/IP67 T75°C
532620EX	

ALUPRES-Ex Series	
472233EX	
472243EX	
472253EX	
472333EX	
472343EX	
472353EX	
472433EX	
472443EX	
472453EX	
472543EX	
472553EX	
472246EX	II 3G Ex nR T6 X
472256EX	
472336EX	II 2D Ex tD A21
472346EX	IP66/IP67 T85°C
472446EX	
472456EX	
472546EX	
472347EX	
472447EX	
472457EX	
472547EX	
472348EX	
472418EX	
472428EX	
472518EX	
511914EX	
511915EX	II 3G Ex nR T6 X
511916EX	U
511918EX	II2D Ex tD A21
511919EX	IP66/IP67 T75°C
511932EX	

TAIS-MIGNON-Ex enclosures	
101021EX	
101031EX	
101041EX	
101061EX	
101151EX	II 3G Ex nA T6 X
101161EX	
101081EX	II 2D Ex tD A21
101096EX	IP66/IP67 T60°C
101025EX	
101035EX	
101045EX	
101156EX	
101157EX	II 3G Ex nA T6 X
	II 2D Ex tD A21
	IP66/IP67 T60°C
532035EX	
532045EX	
532055EX	
532116EX	
532117EX	II 3G Ex nR T6 X
532118EX	
532005EX	II 2D Ex tD A21
532006EX	IP66/IP67 T60°C
532015EX	
532016EX	
532017EX	
532018EX	

CONTACT-Ex Series	
532725EX	
532735EX	
532745EX	
532747EX	
532748EX	
532755EX	
532765EX	
532768EX	
159030EX	
159032EX	
159033EX	
159034EX	II 3G Ex nA T6 X
159035EX	
159036EX	
159037EX	
159040EX	
159042EX	
159043EX	
159044EX	
159045EX	
159046EX	
112094EX	
113094EX	

TAIS-Ex enclosures	
531911EX	
531931EX	II 3G Ex nR T6 X
531940EX	
531942EX	II 2D Ex tD A21
531962EX	IP66/IP67 T60°C

RONDO'-Ex enclosures	
112020EX	
112030EX	
112040EX	II 3G Ex nA T6 X
113020EX	II 3D Ex tD A22 IP54 T60°C
113030EX	
113040EX	

ALUPRES-Ex enclosures	
511910EX	
511911EX	
511912EX	
511913EX	
150021EX	
511917EX	
511920EX	II 3G Ex nR T6 X
511921EX	
511922EX	II 2D Ex tD A21
511923EX	IP66/IP67 T60°C
511924EX	
511925EX	
511926EX	
511927EX	
511928EX	
511929EX	

Continuous update to technical Standards on palazzoli.com website

511930EX	II 3G Ex nR T6 X
511931EX	II 2D Ex tD A21 IP66/IP67 T60°C

UNI-Ex cable glands

571007EX	
571009EX	
571011EX	
571013EX	
571016EX	
571021EX	
571029EX	
571036EX	
571042EX	
571048EX	
571107EX	
571109EX	
571111EX	
571113EX	
571116EX	
571121EX	
571129EX	
571136EX	
571142EX	
571148EX	
581012EX	
581016EX	II 2G Ex e II T6
581020EX	II 2D Ex tD A21 IP68 T6
581025EX	
581032EX	
581040EX	
581050EX	
581063EX	
581112EX	
581116EX	
581120EX	
581125EX	
581132EX	
581140EX	
581150EX	
581163EX	
582112EX	
582116EX	
582120EX	
582125EX	
582132EX	
582140EX	
582150EX	
582163EX	
580242EX	
580243EX	
580244EX	
580203EX	
580232EX	
580233EX	
580234EX	II 3G Ex nA T6
580051EX	
580052EX	
580054EX	
590002EX	
590004EX	
590032EX	

UNI-Ex adaptors

580360EX	
580361EX	
580364EX	II 2G Ex e II T6
580365EX	
580394EX	II 2D Ex tD A21 IP66/IP67 T6
580395EX	
580396EX	

CAM-Ex series

292101EX	
292102EX	II 3G Ex nR T6 X
292103EX	
292201EX	II 2D tD A21
292202EX	IP66/IP67 T60°C
292203EX	
292301EX	II 3G Ex nR T6 X
292302EX	
292303EX	II 2D tD A21 IP66/IP67 T70°C
292411EX	II 3G Ex nR T6 X
292412EX	
292413EX	II 2D tD A21 IP66/IP67 T80°C
292503EX	
292603EX	II 3G Ex nR T6 X
292623EX	
292703EX	II 2D tD A21
292733EX	IP66/IP67 T70°C
272141EX	
272142EX	
272143EX	
272144EX	
272241EX	II 3G Ex nR T6 X
272242EX	
272243EX	II 2D tD A21
272244EX	IP66/IP67 T70°C
272301EX	
272302EX	
272303EX	
272304EX	
282402EX	II 3G Ex nR T6 X
282403EX	
282404EX	II 2D tD A21 IP66/IP67 T80°C
272502EX	II 3G Ex nR T6 X
272503EX	
282603EX	II 2D tD A21 IP66/IP67 T70°C
272146EX	
272147EX	II 3G Ex nR T6 X
272246EX	
272247EX	II 2D tD A21
272306EX	IP66/IP67 T70°C
272307EX	
282406EX	II 3G Ex nR T6 X
282407EX	II 2D tD A21 IP66/IP67 T80°C
272507EX	II 3G Ex nR T6 X
	II 2D tD A21 IP66/IP67 T70°C

ALARM-Ex series

900453EX	
900463EX	II 3G Ex nA T6 X
900473EX	
900253EX	II 2D Ex tD A21
900263EX	IP66 T65°C X
900273EX	

TAIS-MIGNON-Ex devices

202271EX	
202261EX	
202262EX	
202282EX	II 3G Ex nR T6 X
202283EX	
202276EX	II 2D Ex tD A21
202266EX	IP66/IP67 T60°C
202275EX	
202265EX	
261435EX	
261403EX	
261445EX	
261413EX	
261433EX	
800061EX	II 3G Ex nA T6 X
800062EX	
800064EX	II 2D Ex tD A21
800063EX	IP66/IP67 T90°C
201151EX	II 3G Ex nA T6 X
201152EX	
201162EX	II 3D Ex tD A22
201156EX	IP65 T60°C
201166EX	II 3G Ex nA T6 X
201155EX	
261021EX	II 3D Ex tD A22 IP65 T60°C
800121EX	II 3G Ex nA T6 X
800122EX	
800123EX	II 3D Ex tD A22 IP66/IP67 T90°C

RINO-Ex series

831072EX	
831172EX	II 3G Ex nA T4 X
831192EX	
831275EX	II 2D Ex tD A21
831295EX	IP65 T130°C
831954EX	
830072EX	
822101EX	
822102EX	
822103EX	
822201EX	II3G Ex nA T4 X
822202EX	
822203EX	II2D Ex tD A21
820102EX	IP66 T130°C
820202EX	
820132EX	
820232EX	
822961EX	II3G Ex nA T4 X
822962EX	II2D Ex tD A21 IP66 T100°C
822211EX	II3G Ex nA T5 X
820111EX	
820211EX	II2D Ex tD A21 IP66 T85°C



Palazzoli A practical guide to classifying potentially explosive areas is available, written in compliance with European Directives 94/9/EC and 99/92/EC.
It can be downloaded from the website www.palazzoli.com. or requested by calling free phone number +39 030 2015270.

CONNECTIONS AND DRAWING

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page 272



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CEE-EX
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JUNCTION, CONTROL, LIGHTING AND SIGNALLING

CONTACT-EX
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TAIS-EX
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CAM-EX
page 289



TAIS-MIGNON-EX
page 279



RINO-EX
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TAIS-MIGNON-EX
page 285





RINO-EX
page 299

ATEX SYSTEMS GAS-VAPOUR-MISTS

The products and recommended applications

2 - 3G ZONE

Battery charging zones - Hydrogen	Car repair shops - Fuel	Painting departments - Paint and deluent	Heating plants - Natural gas	Large kitchens - Natural gas

TERMOSETTING (GRP)


CEE-EX IP66/67


UNI-EX IP68


TAIS-MIGNON-EX
IP66/67


ULYSSE-EX
IP66/67 (10A ÷ 50A)


TAIS-EX
IP66/67 (10A ÷ 50A)


TAIS-EX
IP66/67


CAM-EX
IP66/67
(10A ÷ 150A)


TAIS-MIGNON-EX
IP66/67

ALUMINIUM ALLOY



RINO-EX IP65


ALUPRES-EX
IP66/67
(10A ÷ 80A)


RONDÒ-EX
IP54


CAM-EX
IP66/67
(16A ÷ 200A)

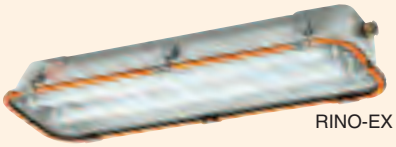

ALUPRES-EX
IP66/67



ALARM-EX IP66


RONDÒ-EX
IP65

STAINLESS STEEL


RINO-EX IP66 18, 36, 54W

BRASS


UNI-EX IP68

ATEX SYSTEM DUSTS

The products and recommended applications

21 and 22 - 2D ZONE

Food refineries (e.g. sugar refineries) - Sugar	Carpentery - Shaving	Ovens - Flour	Grain silos - Grain	Pharmaceutical industry - Lactose

TERMOSETTING (GRP)


CEE-EX IP66/67


UNI-EX IP68


TAIS-MIGNON-EX
IP66/67


ULYSSE-EX
IP66/67 (10A ÷ 63A)


TAIS-EX
IP66/67 (10A ÷ 63A)


TAIS-EX
IP66/67


CAM-EX
IP66/67
(16A ÷ 200A)


TAIS-MIGNON-EX
IP66/67

ALUMINIUM ALLOY



RINO-EX IP65


ALUPRES-EX
IP66/67
(16A ÷ 80A)


RONDÒ-EX
IP54


CAM-EX
IP66/67
(16A ÷ 200A)

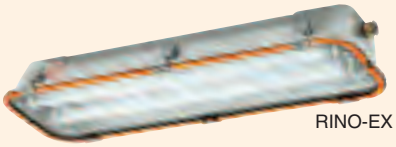

ALUPRES-EX
IP66/67



ALARM-EX IP66


RONDÒ-EX
IP65

STAINLESS STEEL


RINO-EX IP66 18, 36, 54W

BRASS


UNI-EX IP68





CEE-EX 267
Plugs IP66 / IP67

CEE-EX series

PRODUCT SPECIFICATIONS

Conformity to standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

2, 21 and 22 ZONE

Certifications: European Certification Consortium / IMQ

For classifications of each item see page 260-261



CEE-Ex SERIES
ATEX low voltage watertight straight plugs
IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**477203EX**	1
(2D-3G)	50-60Hz	110V	yellow	3P+⏚	4	**477213EX**	1
	50-60Hz	110V	yellow	3P+N+⏚	4	**477223EX**	1
	50-60Hz	230V	blue	2P+⏚	6	**477303EX**	1
	50-60Hz	230V	blue	3P+⏚	9	**477313EX**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**477323EX**	1
	50-60Hz	400V	red	2P+⏚	9	**477403EX**	1
	50-60Hz	400V	red	3P+⏚	6	**477413EX**	1
	50-60Hz	400V	red	3P+N+⏚	6	**477423EX**	1
	50-60Hz	500V	black	3P+⏚	7	**477513EX**	1
	50-60Hz	500V	black	3P+N+⏚	7	**477523EX**	1
32	50-60Hz	110V	yellow	3P+⏚	4	**477216EX**	1
(2D-3G)	50-60Hz	110V	yellow	3P+N+⏚	4	**477226EX**	1
	50-60Hz	230V	blue	2P+⏚	6	**477306EX**	1
	50-60Hz	230V	blue	3P+⏚	9	**477316EX**	1
	50-60Hz	400V	red	3P+⏚	6	**477416EX**	1
	50-60Hz	400V	red	3P+N+⏚	6	**477426EX**	1
	50-60Hz	500V	black	3P+⏚	7	**477516EX**	1



CEE-Ex SERIES
ATEX low voltage watertight straight plugs
IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63	50-60Hz	230V	blue	3P+⏚	9	**477317EX**	1
(2D-3G)	50-60Hz	400V	red	3P+⏚	6	**477417EX**	1
	50-60Hz	400V	red	3P+N+⏚	6	**477427EX**	1
	50-60Hz	500V	black	3P+⏚	7	**477517EX**	1
125	50-60Hz	230V	blue	3P+⏚	9	**477318EX**	1
(2D-3G)	50-60Hz	400V	red	3P+⏚	6	**249538EX**	1
	50-60Hz	400V	red	3P+N+⏚	6	**259538EX**	1
	50-60Hz	500V	black	3P+⏚	7	**249550EX**	1

Characteristics:
nickel-plated and rounded pins with easy insertion. Non-slip grip. 32A and 63A monobloc plugs, 32A and 125A plugs with two-screw terminals. Thick body and grip in anti-tracking, antistatic and self-extinguishing resin.
GWT:850°C - UL94:V2. Unlosable gaskets in non-ageing elastomer.

Uses:
suitable for frequent uses where there are risks of impacts, squashing, vibrations, chemical agents, liquids and dust.

COMPATIBILITY OF CEE-EX PLUGS AND INTERLOCKED SOCKET-OUTLETS

CEE-Ex Plugs	ULYSSE-Ex				TAIS-Ex				ALUPRES-Ex
	Protection				Protection				Protection
Rated current (A)	Fuses	MCB specifications for dusts	MCB	Direct power supply	Fuses	MCB specifications for dusts	MCB	Direct power supply	Fuses
16 (2D-3G)	16A (2D) 10A (3G)	16A (2D)	10A (2D-3G)	16A (2D) 12A (3G)	16A (2D) 10A (3G)	16A (2D)	10A (2D-3G)	16A (2D) 12A (3G)	16A (2D) 10A (3G)
32 (2D-3G)	32A (2D) 16A (3G)	32A (2D)	16A (2D-3G)	32A (2D) 25A (3G)	32A (2D) 16A (3G)	32A (2D)	16A (2D-3G)	32A (2D) 25A (3G)	32A (2D) 16A (3G)
63 (2D-3G)	63A (2D) 32A (3G)	63A (2D)	32A (2D-3G)	63A (2D) 50A (3G)	63A (2D) 32A (3G)	63A (2D)	32A (2D-3G)	63A (2D) 50A (3G)	40A (2D-3G)
125 (2D-3G)									80A (2D-3G)

Product specifications page 267
Dimensions page 396





ULYSSE-EX 269

In thermosetting (GRP) material IP66 / IP67



TAIS-EX 272

In thermosetting (GRP) material IP66 / IP67



ALUPRES-EX 275

In aluminium IP66 / IP67

ULYSSE-EX series

PRODUCT SPECIFICATIONS

Conformity to standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

2, 21 and 22 ZONE

Certifications: European Certification Consortium / IMQ

For classifications of each item see page 260-261

On page 304 the devices for individual limited respiration testings to be carried on interlocked socket-outlets are available.





ULYSSE-EX SERIES
ATEX wall-mounted interlocked socket-outlets and fuse-holder base in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	110V		2P+⏚	4	**400124EX**	1
10A (3G)	50-60Hz	110V		3P+⏚	4	**400134EX**	1
	50-60Hz	110V		3P+N+⏚	4	**400144EX**	1
	50-60Hz	230V		2P+⏚	6	**400126EX**	1
	50-60Hz	230V		3P+⏚	9	**400139EX**	1
	50-60Hz	230V		3P+N+⏚	9	**400149EX**	1
	50-60Hz	400V		2P+⏚	9	**400129EX**	1
	50-60Hz	400V		3P+⏚	6	**400136EX**	1
	50-60Hz	400V		3P+N+⏚	6	**400146EX**	1
	50-60Hz	500V		3P+⏚	7	**400137EX**	1
	50-60Hz	500V		3P+N+⏚	7	**400147EX**	1
32A (2D)	50-60Hz	110V		3P+⏚	4	**400234EX**	1
16A (3G)	50-60Hz	110V		3P+N+⏚	4	**400244EX**	1
	50-60Hz	230V		2P+⏚	6	**400226EX**	1
	50-60Hz	230V		3P+⏚	9	**400239EX**	1
	50-60Hz	400V		3P+⏚	6	**400236EX**	1
	50-60Hz	400V		3P+N+⏚	6	**400246EX**	1
	50-60Hz	500V		3P+⏚	7	**400237EX**	1





ULYSSE-EX SERIES
ATEX wall-mounted interlocked socket-outlets and fuse-holder base in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63A (2D)	50-60Hz	230V		3P+⏚	9	**400339EX**	1
32A (3G)	50-60Hz	400V		3P+⏚	6	**400336EX**	1
	50-60Hz	400V		3P+N+⏚	6	**400346EX**	1
	50-60Hz	500V		3P+⏚	7	**400337EX**	1

Characteristics: fittings in non-sparking, non-loosening, closed fuse-holders with interlock which blocks replacement when power is on. Only use 10.3x38 fuses for 16A socket-outlets, 14x51 for 32A socket-outlets and 22x58 for 63A socket-outlets (fuses not supplied). Fuses with higher or lower In than socket-outlet In cannot guarantee correct protection and can cause overheating. Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected.
Complementary items: straight plugs on page 267.

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Dimensions page 404

INTERLOCKED SOCKET-OUTLETS





ULYSSE-EX SERIES
Wall-mounting socket-outlets with circuit breaker and ATEX mechanical interlock in insulating modular enclosure made of thermosetting (GRP), for combustible and electrically conductive dusts IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	110V		2P+⏚	4	**404124EX**	1
	50-60Hz	110V		3P+⏚	4	**404134EX**	1
	50-60Hz	110V		3P+N+⏚	4	**404144EX**	1
	50-60Hz	230V		2P+⏚	6	**404126EX**	1
	50-60Hz	230V		3P+⏚	9	**404139EX**	1
	50-60Hz	230V		3P+N+⏚	9	**404149EX**	1
	50-60Hz	400V		2P+⏚	9	**404129EX**	1
	50-60Hz	400V		3P+⏚	6	**404136EX**	1
	50-60Hz	400V		3P+N+⏚	6	**404146EX**	1
32A (2D)	50-60Hz	110V		3P+⏚	4	**404234EX**	1
	50-60Hz	110V		3P+N+⏚	4	**404244EX**	1
	50-60Hz	230V		2P+⏚	6	**404226EX**	1
	50-60Hz	230V		3P+⏚	9	**404239EX**	1
	50-60Hz	400V		3P+⏚	6	**404236EX**	1
	50-60Hz	400V		3P+N+⏚	6	**404246EX**	1
63A (2D)	50-60Hz	230V		3P+⏚	9	**404339EX**	1
	50-60Hz	400V		3P+⏚	6	**404336EX**	1
	50-60Hz	400V		3P+N+⏚	6	**404346EX**	1

Characteristics:
corrosion resistant non-loosening terminals. Anti-tracking, anti-static and self-extinguishing resin body GWT: 850°C - UL94:V2. Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected.
Uses:
only use with EEx nA plugs in this catalogue.
Complementary items:
straight plugs on page 267.





ULYSSE-EX SERIES
ATEX wall-mounted socket-outlets with MCB and mechanical interlock, in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
10A (2D-3G)	50-60Hz	110V		2P+⏚	4	**403124EX**	1
	50-60Hz	110V		3P+⏚	4	**403134EX**	1
	50-60Hz	110V		3P+N+⏚	4	**403144EX**	1
	50-60Hz	230V		2P+⏚	6	**403126EX**	1
	50-60Hz	230V		3P+⏚	9	**403139EX**	1
	50-60Hz	230V		3P+N+⏚	9	**403149EX**	1
	50-60Hz	400V		2P+⏚	9	**403129EX**	1
	50-60Hz	400V		3P+⏚	6	**403136EX**	1
	50-60Hz	400V		3P+N+⏚	6	**403146EX**	1
16A (2D-3G)	50-60Hz	110V		3P+⏚	4	**403234EX**	1
	50-60Hz	110V		3P+N+⏚	4	**403244EX**	1
	50-60Hz	230V		2P+⏚	6	**403226EX**	1
	50-60Hz	230V		3P+⏚	9	**403239EX**	1
	50-60Hz	400V		3P+⏚	6	**403236EX**	1
	50-60Hz	400V		3P+N+⏚	6	**403246EX**	1
32A (2D-3G)	50-60Hz	230V		3P+⏚	9	**403339EX**	1
	50-60Hz	400V		3P+⏚	6	**403336EX**	1
	50-60Hz	400V		3P+N+⏚	6	**403346EX**	1





ULYSSE-Ex SERIES
ATEX wall-mounting interlocked socket-outlets, in insulating modular enclosure made of thermosetting (GRP) material with double protection rating IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	230V		2P+⏚	6	**408126EX**	1
12A (3G)	50-60Hz	400V		3P+⏚	6	**408136EX**	1
	50-60Hz	400V		3P+N+⏚	6	**408146EX**	1
32A (2D)	50-60Hz	230V		2P+⏚	6	**408226EX**	1
25A (3G)	50-60Hz	400V		3P+⏚	6	**408236EX**	1
	50-60Hz	400V		3P+N+⏚	6	**408246EX**	1
63A (2D)	50-60Hz	400V		3P+⏚	6	**408336EX**	1
50A (3G)	50-60Hz	400V		3P+N+⏚	6	**408346EX**	1

Product specifications page 269
Dimensions page 404



ULYSSE-Ex SERIES
ATEX enclosures with blind cover, in thermosetting (GRP) material with double protection rating IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Holes	Palazzoli code	Pack Q.ty
125x175x128	14	Cieca	**415001EX**	1
250x175x128	20	Cieca	**415002EX**	1

Equipment:
fitting.
Gaskets for interlocked socket-outlets.
Characteristics:
EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, consider the power dissipated from each type of connection.



ULYSSE SERIES
EN50022 rail for fastening modular devices in the enclosures with a blind cover

For enclosures dimensions (mm)	No. modules EN50022	Palazzoli code	Pack Q.ty
125x175x128	5	**415011**	1
250x175x128	12	**415012**	1

Uses:
for fastening modular devices (e.g. supply/junction terminal blocks).



ULYSSE SERIES
Support plate in thermosetting (GRP) material for making distribution boards

Dimensions (mm)	No. installable devices	Palazzoli code	Pack Q.ty
125x540	1 (16A-32A)	**415801**	1
250x540	2 (16A-32A) - 1 (63A)	**415802**	1

Equipment:
built-in threaded metal dowels, supplied with screws and relative stainless steel washers for fastening devices.
Complementary items:
coupling piece code 538791 on page 86.



ULYSSE SERIES
Kit with ATEX fitting for coupling the enclosures

Fitting diameter	Assembly hole (mm)	Palazzoli code	Pack Q.ty
Pg21	38	**415000EX**	1

Uses:
the distribution board can be made by side coupling the boxes.

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Dimensions page 404

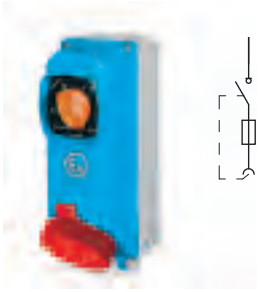
TAIS-EX series

PRODUCT SPECIFICATIONS

Conformity to standards:	GAS:	EN 60079-15
	DUSTS:	EN 61241-1
Compliance with directives:	ATEX 94/9/CE	
	2, 21 and 22 ZONE	
Certifications:	European Certification Consortium / IMQ	

For classifications of each item see page 260-261

On page 304 the devices for individual limited respiration testings to be carried on interlocked socket-outlets are available.



TAIS-Ex SERIES
ATEX wall-mounted interlocked socket-outlets and fuse-holder base in insulating modular enclosure made of thermosetting (GRP) material
IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	110V		2P+⏚	4	**472610EX**	1
10A (3G)	50-60Hz	110V		3P+⏚	4	**472710EX**	1
	50-60Hz	110V		3P+N+⏚	4	**472810EX**	1
	50-60Hz	230V		2P+⏚	6	**472620EX**	1
	50-60Hz	230V		3P+⏚	9	**472720EX**	1
	50-60Hz	230V		3P+N+⏚	9	**472820EX**	1
	50-60Hz	400V		2P+⏚	9	**472630EX**	1
	50-60Hz	400V		3P+⏚	6	**472730EX**	1
	50-60Hz	400V		3P+N+⏚	6	**472830EX**	1
	50-60Hz	500V		3P+⏚	7	**472750EX**	1
	50-60Hz	500V		3P+N+⏚	7	**472840EX**	1
32A (2D)	50-60Hz	110V		3P+⏚	4	**472711EX**	1
16A (3G)	50-60Hz	110V		3P+N+⏚	4	**472811EX**	1
	50-60Hz	230V		2P+⏚	6	**472621EX**	1
	50-60Hz	230V		3P+⏚	9	**472721EX**	1
	50-60Hz	400V		3P+⏚	6	**472731EX**	1
	50-60Hz	400V		3P+N+⏚	6	**472831EX**	1
	50-60Hz	500V		3P+⏚	7	**472751EX**	1





TAIS-Ex SERIES
ATEX wall-mounted interlocked socket-outlets and fuse-holder base in insulating modular enclosure made of thermosetting (GRP) material
IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
63A (2D)	50-60Hz	230V		3P+⏚	9	**472722EX**	1
32A (3G)	50-60Hz	400V		3P+⏚	6	**472732EX**	1
	50-60Hz	400V		3P+N+⏚	6	**472832EX**	1
	50-60Hz	500V		3P+⏚	7	**472752EX**	1

Characteristics: fittings in non-sparking, non-loosening, closed fuse-holders with interlock which blocks replacement when power is on. Only use NDZ (E16) fuses for 16A socket-outlets, DIII (E33) for 32A and 63A socket-outlets (fuses not supplied). Fuses with higher or lower In than socket-outlet In cannot guarantee correct protection and can cause overheating. Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected.
Uses: its highly compact form makes it ideal for installing in small spaces (e.g. on pillars, on machines…).
Complementary items: straight plugs on page 267.

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Dimensions page 405

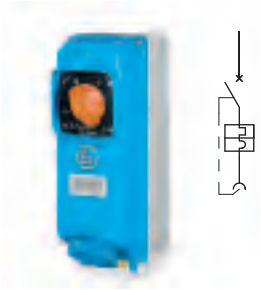


TAIS-Ex SERIES
Wall-mounting socket-outlets with circuit breaker, mechanical interlock in insulating modular enclosure made of thermosetting (GRP) material, ATEX signal lamp, for combustible and electrically conductive dusts
IP66 / IP67

Rated current (A)	Frequency	Rated use voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	110V		2P+⏚	4	**464210EX**	1
	50-60Hz	110V		3P+⏚	4	**464310EX** ✦	1
	50-60Hz	110V		3P+N+⏚	4	**464410EX** ✦	1
	50-60Hz	230V		2P+⏚	6	**464220EX**	1
	50-60Hz	230V		3P+⏚	9	**464320EX**	1
	50-60Hz	230V		3P+N+⏚	9	**464420EX** ✦	1
	50-60Hz	400V		2P+⏚	9	**464230EX** ✦	1
	50-60Hz	400V		3P+⏚	6	**464330EX**	1
	50-60Hz	400V		3P+N+⏚	6	**464430EX**	1
32A (2D)	50-60Hz	110V		3P+⏚	4	**464711EX** ✦	1
	50-60Hz	110V		3P+N+⏚	4	**464811EX** ✦	1
	50-60Hz	230V		2P+⏚	6	**464621EX**	1
	50-60Hz	230V		3P+⏚	9	**464721EX**	1
	50-60Hz	400V		3P+⏚	6	**464731EX**	1
	50-60Hz	400V		3P+N+⏚	6	**464831EX**	1
63A (2D)	50-60Hz	230V		3P+⏚	9	**464722EX**	1
	50-60Hz	400V		3P+⏚	6	**464732EX**	1
	50-60Hz	400V		3P+N+⏚	6	**464832EX**	1

✦ Supplied on request.

Characteristics:
corrosion resistant non-loosening terminals. Anti-tracking, anti-static and self-extinguishing resin body GWT: 850°C - UL94: V2. Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected.
Uses:
its highly compact form makes it ideal for installing in small spaces (e.g. on pillars, on machines…).
Complementary items:
straight plugs on page 267.



TAIS-Ex SERIES
ATEX wall-mounting socket-outlets with circuit breaker, mechanical interlock, signal lamp, in insulating modular enclosure made of thermosetting (GRP) material
IP66 / IP67

Rated current (A)	Frequency	Rated use voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
10A (2D-3G)	50-60Hz	110V		2P+⏚	4	**474210EX**	1
	50-60Hz	110V		3P+⏚	4	**474310EX** ✦	1
	50-60Hz	110V		3P+N+⏚	4	**474410EX** ✦	1
	50-60Hz	230V		2P+⏚	6	**474220EX**	1
	50-60Hz	230V		3P+⏚	9	**474320EX**	1
	50-60Hz	230V		3P+N+⏚	9	**474420EX** ✦	1
	50-60Hz	400V		2P+⏚	9	**474230EX** ✦	1
	50-60Hz	400V		3P+⏚	6	**474330EX**	1
	50-60Hz	400V		3P+N+⏚	6	**474430EX**	1
16A (2D-3G)	50-60Hz	110V		3P+⏚	4	**474711EX** ✦	1
	50-60Hz	110V		3P+N+⏚	4	**474811EX** ✦	1
	50-60Hz	230V		2P+⏚	6	**474621EX**	1
	50-60Hz	230V		3P+⏚	9	**474721EX**	1
	50-60Hz	400V		3P+⏚	6	**474731EX**	1
	50-60Hz	400V		3P+N+⏚	6	**474831EX**	1
32A (2D-3G)	50-60Hz	230V		3P+⏚	9	**474722EX**	1
	50-60Hz	400V		3P+⏚	6	**474732EX**	1
	50-60Hz	400V		3P+N+⏚	6	**474832EX**	1

✦ Supplied on request.



TAIS-Ex SERIES
ATEX wall-mounting interlocked socket-outlets in thermosetting (GRP) insulating modular enclosure
IP66 / IP67

Rated current (A)	Frequency	Rated use voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	230V		2P+⏚	6	**470126EX** ✦	1
12A (3G)	50-60Hz	400V		3P+⏚	6	**470136EX** ✦	1
	50-60Hz	400V		3P+N+⏚	6	**470146EX** ✦	1
32A (2D)	50-60Hz	230V		2P+⏚	6	**470226EX** ✦	1
25A (3G)	50-60Hz	400V		3P+⏚	6	**470236EX** ✦	1
	50-60Hz	400V		3P+N+⏚	6	**470246EX** ✦	1
63A (2D)	50-60Hz	400V		3P+⏚	6	**470336EX** ✦	1
50A (3G)	50-60Hz	400V		3P+N+⏚	6	**470346EX** ✦	1

✦ Supplied on request.

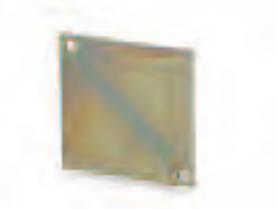
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Dimensions page 405



TAIS-Ex SERIES
ATEX watertight enclosures with raised cover in thermosetting (GRP) material
IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Holes fori	Palazzoli code	Pack Q.ty
125x125x125	15		**532026EX**	1
185x125x125	12	Pg29 / Pg36 / Pg36 / Pg21 Pg21	**532667EX**	1
250x125x125	18	Pg36 / Pg29 Pg21	**532619EX**	1
250x125x125	18	Pg29 / Pg29 Pg29	**532620EX**	1
250x125x125	18	Pg36 / Pg29 Pg29	**532618EX**	1
250x125x125	18	Pg36 / Pg29 Pg21	**532628EX**	1
125x125x125	15		**532016EX**	1

Characteristics:
EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, consider the power dissipated from each type of connection.
Complementary items:
socket-outlets on page 272÷273,
cable glands on page 285,
fittings on page 285
caps on page 285
polygonal nuts on page 285.



TAIS SERIES
Mounting plates in anti-corrosion tropicalized steel plate, for watertight enclosures.

For enclosures dimensions	For enclosures code	Palazzoli code	Pack Q.ty
125x125	532016, 532116, 532346, 538018, 538118, 532016EX, 532116EX	**532716**	1
185x125	532017, 532117, 532667, 532677, 538017, 538117, 532017EX, 532117EX, 532667EX	**532717**	1
250x125	532018, 532118, 532618, 532628 532638, 532648, 538016, 538116, 532018EX, 532118EX, 532628EX	**532718**	1



TAIS SERIES
Plates for mounting interlocked socket-outlets, in thermosetting (GRP) material

No. installable devices	Module installable devices	Dimensions (mm)	Palazzoli code	Pack Q.ty
1	92	92x430	**538701**	1
2	2x92	185x430	**538702**	1
2	2x92	185x501	**538703**	1
1	92/125	125x630	**538711**	1
2	125+125/125+92/92+125	250x630	**538712**	1

Characteristics: they do not need an earth connection.
Uses: for fastening TAIS distribution boards to the wall.



TAIS SERIES
Coupling piece for plates in insulating thermosetting (GRP) material

For plates Palazzoli	Palazzoli code	Pack Q.ty
538701, 538702, 538703, 538711, 538712	**538791**	50

Uses: these snap-on devices are fixed into their housings on the base plates for interlocked socket-outlets.

Product specifications page 272
Dimensions page 405

ALUPRES-EX series

PRODUCT SPECIFICATIONS

Conformity to standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

ZONE 2, 21 and 22

Certifications: European Certification Consortium / IMQ

For classifications of each item see page 260-261

On page 304 the devices for testing individual tests on interlocked socket-outlets are available.



ALUPRES-Ex SERIES
ATEX wall-mounted interlocked socket-outlets with fuse-holder base, in modular enclosure in aluminium alloy
IP66 / IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16A (2D)	50-60Hz	110V	yellow	2P+⏚	4	**472233EX**	10
10A (3G)	50-60Hz	110V	yellow	3P+⏚	4	**472243EX**	1
entry **M25**	50-60Hz	110V	yellow	3P+N+⏚	4	**472253EX**	1
	50-60Hz	230V	blue	2P+⏚	6	**472333EX**	1
	50-60Hz	230V	blue	3P+⏚	9	**472343EX**	1
	50-60Hz	230V	blue	3P+N+⏚	9	**472353EX**	1
	50-60Hz	400V	red	2P+⏚	9	**472433EX**	1
	50-60Hz	400V	red	3P+⏚	6	**472443EX**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472453EX**	1
	50-60Hz	500V	black	3P+⏚	7	**472543EX**	1
	50-60Hz	500V	black	3P+N+⏚	7	**472553EX**	1
32A (2D)	50-60Hz	110V	yellow	3P+⏚	4	**472246EX**	1
16A (3G)	50-60Hz	110V	yellow	3P+N+⏚	4	**472256EX** ✦	1
entry **M32**	50-60Hz	230V	blue	2P+⏚	6	**472336EX**	1
	50-60Hz	230V	blue	3P+⏚	9	**472346EX**	1
	50-60Hz	400V	red	3P+⏚	6	**472446EX**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472456EX**	1
	50-60Hz	500V	black	3P+⏚	7	**472546EX**	1
40A	50-60Hz	230V	blue	3P+⏚	9	**472347EX**	1
(2D-3G)	50-60Hz	400V	red	3P+⏚	6	**472447EX**	1
entry **M32**	50-60Hz	400V	red	3P+N+⏚	6	**472457EX**	1
	50-60Hz	500V	black	3P+⏚	7	**472547EX**	1
80A	50-60Hz	230V	blue	3P+⏚	9	**472348EX**	1
(2D-3G)	50-60Hz	400V	red	3P+⏚	6	**472418EX**	1
entry **M40**	50-60Hz	400V	red	3P+N+⏚	6	**472428EX**	1
	50-60Hz	500V	black	3P+⏚	7	**472518EX**	1

✦ Supplied on request.

Characteristics:
NDZ (E16) fuses for 16A socket-outlets, DIII (E33) for 32A and 63A, ACR GR000 for 80A socket-outlets (fuses not supplied).
Fittings in non-sparking, captive, closed fuse-holders with interlock which blocks replacement when power is on.
Upper passage: F0 window for 16A socket-outlets; F1 window for 32A and 63A socket-outlets; F3 window for 80A socket-outlets 40A and 80A **socket-outlets with IP65 protection rating IP65**.
Uses:
its highly compact form makes it ideal for installing in small spaces (e.g. on pillars, on machines…).
Complementary items:
straight plugs on page 267.

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Dimensions page 407



ALUPRES-Ex SERIES
Enclosures with ATEX windowed walls, in aluminium alloy, with mounting plates in tropicalized steel plate
IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Windows	Palazzoli code	Pack Q.ty
125x125x113	10	F1 / F1 Blind / F1 Blind / F1	**511914EX**	1
125x125x113	10	F1 / F1 Blind / F1 Blind / F0	**511915EX**	1
185x125x113	12	M32 / F1 Blind / F1 Blind / F0 F0	**511916EX**	1
252x125x113	20	M32 / F1 Blind / F1 Blind / F1 F0	**511918EX**	1
252x125x113	20	M32 / F1 Blind / F1 Blind / F1 F1	**511919EX**	1
252x125x113	20	M40 / F1 Blind / F1 Blind / F0 F0	**511932EX**	1

Equipment:
windows complete with gaskets and screws.
N2 F1 blind flanges code 540091.
Internal and external earth screws.
Characteristics:
EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure.
For this purpose, consider the power dissipated from each type of connection.
Complementary items:
blind flanges on page 277,
flanges with cable glands on page 276,
threaded flanges with metric pitch on page 162,
cable glands on page 288.



ALUPRES SERIES
Flat closing aluminium alloy flanges with cable gland, for containers with window walls
IP67

Windows	Ring-nut diameter (mm)	Gasket diameter (mm)	Threading	Palazzoli code	Pack Q.ty
F0 (insulating mat.)	16	9÷12	1/2"	**541010**	1
F0 (insulating mat.)	20	14÷16	3/4"	**541020**	1
F0	16	9÷12	1/2"	**541080**	10
F0	20	12÷16	3/4"	**541090**	1
F0	25,5	17÷20	1"	**541030**	20
F1	16	9÷12	1/2"	**541011**	1
F1	20	14÷16	3/4"	**541021**	1
F0	16	9÷12	1/2"	**541040**	1

Characteristics:
suitable for the entry with threaded pipes. Art.541040 with 2 separate access entries.



ALUPRES SERIES
Raised closing aluminium alloy flanges with cable gland, for containers with window walls
IP67

Windows	Ring-nut diameter (mm)	Gasket diameter (mm)	Threading	Palazzoli code	Pack Q.ty
F1	25,5	16÷22	1"	**540151**	1
F1	36	25÷26	1" 1/4	**540141**	1
F2	25,5	16÷22	1"	**540152**	1
F2	36	25÷26	1" 1/4	**540142**	1
F3	41,5	34÷35	1" 1/2	**540153**	1
F4	41,5	25÷35	1" 1/2	**540154**	1
F5	50	33÷44	2"	**540145**	1
F6	70	63÷64	2" 3/4	**540156**	1

Uses:
suitable for entry with threaded conduits. Make wiring easier as they increase the internal volume of the enclosure. To close open inlets.

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Dimensions page 412



ALUPRES SERIES
Flat steel closing flanges for containers with walls with windows
IP67

Windows	Projection (mm)	Palazzoli code	Pack Q.ty
F0 (insulating mat.)	5	**540030**	1
F1 (insulating mat.)	6	**540031**	5
F0	2,5	**540090**	5
F1	5,5	**540091**	5
F2	5,5	**540032**	1
F3	6	**540033**	2
F4	6	**540034**	2
F5	7	**540035**	2
F6	8	**540036**	1

Uses:
they close unused windows. Holes can be made for applying cable glands.



ALUPRES SERIES
Raised closing flanges
in aluminium alloy for enclosures with windowed walls
IP67

Windows	Projection (mm)	Palazzoli code	Pack Q.ty
F1	32	**540061**	12
F2	32	**540062**	4
F3	50	**540063**	1
F4	50	**540064**	1
F5	80	**540065**	1
F6	80	**540066**	1

Uses:
they close unused windows. Make wiring easier as they increase the internal volume of the enclosure.



ALUPRES SERIES
Plates in zinc-galvanised steel and painted for mounting socket-outlets in aluminium alloy enclosure

No. installable devices	Module installable devices	Dimensions (mm)	Palazzoli code	Pack Q.ty
2	2x92	185x389	**532806**	1
3	3x92	276x389	**532816**	1
2	2x92	185x421	**532826**	1
2	2x125 / 125+92	250x558	**532836**	1
3	3x125	375x558	**532846**	1
3	125+2x92	310x558	**532856**	1
4	2x125+2x92 / 125+3x92	435x558	**532866**	1

Equipment:
designed with threaded holes and inclusive of stainless steel screws for fastening fixtures.
Complementary items:
interlocked socket-outlets from page 275,
enclosures on page 276.



ALUPRES SERIES
Pair of small plates with screws for coupling steel plates

For plates code	Palazzoli code	Pack Q.ty
532806, 532816, 532826, 532836, 532846, 532856, 532866	**532895**	1

Uses:
these increase the combinations of possible distribution board arrangements.

Dimensions page 408

Watertight junction boxes





TAIS-MIGNON-EX 279

In thermosetting (GRP) material IP66/IP67



TAIS-EX 280

In thermosetting (GRP) material IP66 / IP67



RONDÒ-EX 281

In aluminium IP54 - IP66/IP67



ALUPRES-EX 281

In aluminium IP66 / IP67

TAIS-EX / TAIS-MIGNON-EX series

PRODUCT SPECIFICATIONS

Conformity to standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

ZONE 2, 21 and 22

Certifications: European Certification Consortium / IMQ

For classifications of each item see page 260-261



TAIS-MIGNON-Ex SERIES
ATEX watertight wall-mounting modular junction boxes in thermosetting (GRP) material
IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Holes	Entries	Palazzoli code	Pack Q.ty
62x80x38	8	1/2" 1/2"	1/2" gas (ø16/12mm)	**101021EX**	1
62x80x38	8	1/2" 1/2" 1/2"	1/2" gas (ø16/12mm)	**101031EX**	1
62x80x38	8	1/2" 1/2" 1/2" 1/2"	1/2" gas (ø16/12mm)	**101041EX**	1
62x80x38	8	1/2" 1/2" 1/2" 1/2" 1/2"	1/2" gas (ø16/12mm)	**101061EX**	1
77x102x48	10	1/2" 1/2" 1/2" 1/2" 1/2"	1/2" gas (ø16/12mm)	**101151EX**	1
77x102x48	10	3/4" 3/4" 3/4" 3/4" 3/4"	3/4" gas (ø20/16mm)	**101161EX**	1

Equipment:
cable glands with gaskets come in the same quantity as the no. of entries.
Characteristics:
stainless steel screws for fastening covers. The modular dimensions allow battery combinations with watertight wall-mounting modular boxes. EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, the power dissipated by each type of connection must be considered, assuming the maximum power that can be dissipated is P=0.0048I where I is the current used by the connection.



TAIS-MIGNON-Ex SERIES
ATEX watertight wall-mounting modular coupling box in thermosetting (GRP) material
IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Holes	Entries	Palazzoli code	Pack Q.ty
125x77x55	12	3/4" 3/4"	3/4" gas (ø20/16mm)	**101081EX**	1

Equipment:
cable glands with gaskets come in the same quantity as the no. of entries.



TAIS-MIGNON-Ex SERIES
ATEX watertight wall-mounting modular junction box, with mantle terminals in thermosetting (GRP) material
IP66 / IP67

External dimensions (mm)	Pole/section terminals sezione	Dispersable wattage (W)	Holes	Entries	Palazzoli code	Pack Q.ty
62x80x38	4x6mm²	8	1/2" 1/2"	1/2" gas (ø16/12mm)	**101025EX**	1
62x80x38	4x6mm²	8	1/2" 1/2" 1/2"	1/2" gas (ø16/12mm)	**101035EX**	1
62x80x38	4x6mm²	8	1/2" 1/2" 1/2" 1/2"	1/2" gas (ø16/12mm)	**101045EX**	1
77x102x48	5x6mm²	10	1/2" 1/2" 1/2" 1/2" 1/2"	1/2" gas (ø16/12mm)	**101156EX**	1
77x102x48	5x6mm²	10	3/4" 3/4" 3/4" 3/4" 3/4"	3/4" gas (ø20/16mm)	**101157EX**	1

Equipment:
inclusive of 6 mm² non-loosening mantle terminals. Cable glands with gaskets come in the same quantity as the no. of entries.
Characteristics:
stainless steel screws for fastening covers. EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, consider the power dissipated from each type of connection.
Complementary items:
ring-nuts for gas pitch cable glands on page 287.

Product specifications page 279
Dimensions page 421



TAIS-Ex SERIES
Watertight wall-mounting blind enclosures with ATEX low cover, in thermosetting (GRP) material
IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Palazzoli code	Pack Q.ty
92x92x68	10	**532035EX**	1
125x92x68	12	**532045EX**	1
185x92x68	14	**532055EX**	1
125x125x100	13	**532116EX**	1
185x125x100	15	**532117EX**	1
250x125x100	20	**532118EX**	1

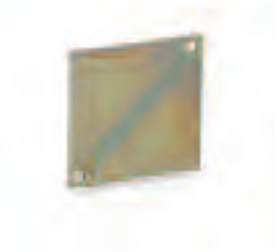
Characteristics:
covers with captive stainless steel screws. EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure.
For this purpose, consider the power dissipated from each type of connection.



TAIS-Ex SERIES
Watertight wall-mounting blind enclosures with ATEX high cover, in thermosetting (GRP) material
IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Palazzoli code	Pack Q.ty
92x92x100	12	**532005EX**	1
125x92x100	14	**532006EX**	1
185x92x100	16	**532015EX**	1
125x125x125	15	**532016EX**	1
185x125x125	17	**532017EX**	1
250x125x125	22	**532018EX**	1

Characteristics:
covers with captive stainless steel screws. EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure.
For this purpose, consider the power dissipated from each type of connection.



TAIS SERIES
Mounting plates in anti-corrosion tropicalized steel plate, for watertight enclosures

For enclosures dimensions	For enclosures code	Palazzoli code	Pack Q.ty
92x92	532005, 532035, 532225, 538005, 538035, 532005EX, 532035EX	**532705**	1
125x92	532006, 532045, 532285, 532295, 538006, 538045, 532006EX, 532045EX	**532714**	1
185x92	532015, 532055, 532325, 532385, 538015, 538055, 532015EX,532055EX	**532715**	1
125x125	532016, 532116, 532346, 538016, 538116, 532016EX, 532116EX	**532716**	1
185x125	532017, 532117, 532667, 532677, 538017, 538117, 532017EX, 532117EX, 532667EX	**532717**	1
250x125	532018, 532118, 532618, 532628 532638, 532648, 538018, 538118, 532018EX, 532118EX, 532628EX	**532718**	1



TAIS-Ex SERIES
ATEX watertight blind enclosures in thermosetting (GRP) material with mounting plate in tropicalized steel plate
IP66 / IP67

External dimensions (mm)	Dispersable wattage (W)	Palazzoli code	Pack Q.ty
185x185x140	20	**531911EX**	1
250x185x190	24	**531931EX**	1
250x250x190	28	**531940EX**	1
250x370x190	35	**531942EX**	1
370x500x190	60	**531962EX**	1

Characteristics:
EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, consider the power dissipated from each type of connection. **Enclosures with dimensions 250x250 and larger: IP65.**

Product specifications page 279
Dimensions page 412

RONDÒ-Ex / ALUPRES-EX series

PRODUCT SPECIFICATIONS

Conformity to standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

ZONE 2, 21 and 22

Certifications: European Certification Consortium / IMQ

For classifications of each item see page 260-261



RONDÒ-Ex SERIES
ATEX-Ex wall-mounted junction boxes in aluminium alloy IP54

Internal diameter (mm)	Dispersable wattage (W)	Cable glands	Palazzoli code	Pack Q.ty
Ø 62	3	2x1/2"	**112020EX**	1
Ø 62	3	3x1/2"	**112030EX**	1
Ø 62	3	4x1/2"	**112040EX**	1
Ø 82	4	2x3/4"	**113020EX**	1
Ø 82	4	3x3/4"	**113030EX**	1
Ø 82	4	4x3/4"	**113040EX**	1

Equipment:
earth screws inside and outside the box.
Characteristics:
EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, consider the power dissipated from each type of connection.



ALUPRES-Ex SERIES
ATEX wall-mounting junction boxes in aluminium alloy

External dimensions (mm)	Windows	Dispersable wattage (W)	Protection rating	Palazzoli code	Pack Q.ty
92x92x77	blind	10	IP67	**101081EX**	1
125x92x77	blind	12	IP67	**511911EX**	1
185x92x77	blind	14	IP67	**511912EX**	1
125x125x113	blind	13	IP67	**511913EX**	1
155x155x73	blind flanges	15	IP66 / IP67	**150021EX**	1
252x125x113	blind flanges	20	IP55	**511917EX**	1
185x185x145	blind flanges	18	IP55	**511920EX**	1
252x185x145	blind flanges	22	IP55	**511921EX**	1
220x220x108	blind flanges	20	IP55	**511922EX**	1
252x252x197	blind flanges	25	IP55	**511923EX**	1
315x252x193	blind flanges	30	IP55	**511924EX**	1
507x252x193	blind flanges	50	IP55	**511925EX**	1
295x295x123	blind flanges	40	IP55	**511926EX**	1
315x315x193	blind flanges	45	IP55	**511927EX**	1
373x373x220	blind flanges	48	IP55	**511928EX**	1
507x373x305	blind flanges	60	IP55	**511929EX**	1
630x373x267	blind flanges	80	IP55	**511930EX**	1
630x507x193	blind flanges	90	IP55	**511931EX**	1

Equipment:
earth screws inside and outside the box.
Characteristics:
EEx n enclosures can be used for housing a certain number of non-sparking components (terminals) to prevent higher dissipated power than the value for each enclosure. For this purpose, consider the power dissipated from each type of connection. Cable glands already included.

Product specifications page 281
Dimensions page 412

CONTACT-EX series

PRODUCT SPECIFICATIONS

Conformity to standards: GAS: EN 60079-15
Compliance with directives: ATEX 94/9/CE

ZONE 2, 21 and 22

Certifications: European Certification Consortium / IMQ

For classifications of each item see page 260-261



CONTACT-EX SERIES
Junction terminal blocks for watertight enclosures

Rated current	For enclosures with dimensions (mm)	No. poles for section	Enclosure material	Palazzoli code	Pack Q.ty
400V	92x92	4x6 mm²	Ceramic	**532725EX**	1
400V	92x92	4x6 mm²	Thermoplastic	**532735EX**	1
400V	92x125, 92x185 125x125, 125x185	4x6 mm²	Ceramic	**532745EX**	1
500V	92x185, 125x125 125x185	4x16 mm²	Ceramic	**532747EX**	1
500V	125x250	4x16 mm²	Ceramic	**532748EX**	1
500V	92x92	6x4 mm²	Thermosett.	**532755EX**	1
400V	92x125, 92x185, 125x125, 125x185	6x6 mm²	Ceramic	**532765EX**	1
500V	125x250	6x16 mm²	Ceramic	**532768EX**	1

Characteristics:
corrosion resistant non-sparking and non-loosening terminals for EEx nA connections and junctions if housed in boxes shown in this catalogue.
Anti-tracking insulating enclosure.
For codes 532747EX, 532748EX and 532768EX the section of 16 mm² is valid when using rigid cables, otherwise it is 10 mm².



CONTACT-EX SERIES
ATEX junction terminal blocks for watertight boxes - 380V

Poles/section	Palazzoli code	Pack Q.ty
4x6 mm²	**101096EX**	1

Characteristics:
they are fitted in the TAIS-MIGNON boxes with dim. 77x102 and dim. 55x125 without using screws. Max. dispersed power 750mW.



CONTACT-EX SERIES
ATEX junction terminal blocks with mantle terminals for 500V junction boxes

Poles/section	Palazzoli code	Pack Q.ty
4x6 mm²	**112094EX**	1
4x10 mm²	**113094EX**	1

Characteristics:
for RONDÒ series aluminium junction boxes:
code 113094EX for Ø 62 mm boxes
code 113094EX for Ø 82 mm boxes.

Product specifications page 282
Dimensions page 413



CONTACT-EX SERIES
ATEX junction terminal block
with flat terminals
for watertight enclosures

Poles/section	Rated use voltage	For enclosures dimensions	Palazzoli code	Pack Q.ty
3x16 mm²	500	92x92	**159030EX**	1
3x25 mm²	500	125x125	**159032EX**	1
3x40 mm²	500	155x155	**159033EX**	1
3x70 mm²	500	185x185	**159034EX**	1
3x125 mm²	500	220x220	**159035EX**	1
3x200 mm²	500	295x295	**159036EX**	1
3x315 mm²	500	373x373	**159037EX**	1
4x16 mm²	500	125x125	**159040EX**	1
4x25 mm²	500	155x155	**159042EX**	1
4x40 mm²	500	185x185	**159043EX**	1
4x70 mm²	500	220x220	**159044EX**	1
4x125 mm²	500	295x295	**159045EX**	1
4x200 mm²	500	373x373	**159046EX**	1

Characteristics:
corrosion resistant non-sparking and non-loosening terminals for EEx nA connections and junctions if housed in boxes shown in this catalogue.
Anti-tracking insulating enclosure.
Complementary items:
TAIS enclosures on page 280.
ALUPRES enclosures on page 281.

Product specifications page 282
Dimensions page 413





UNI-EX 285
With Pg pitch in insulating material



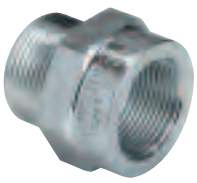
UNI-EX 286
With metric pitch Metric in insulating material



UNI-EX 285
Adaptors and fittings in insulating material



UNI-EX 288
With brass metric pitch



UNI-EX 288
Brass adaptors

UNI-EX series

PRODUCT SPECIFICATIONS

Conformity to standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

ZONE 2, 21 and 22

For classifications of each item see page 260-261



UNI-Ex SERIES
ATEX insulated cable glands
with Pg threading IP68

Pg	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
7	13	4-6,5	8	**571007EX**	100
9	16	6,5-8	8	**571009EX**	100
11	19	8-10	8	**571011EX**	100
13,5	21	9-12	9	**571013EX**	100
16	23	10-14	10	**571016EX**	50
21	29	14-18	12	**571021EX**	50
29	38	18-22	12	**571029EX**	25
36	48	22-32	14	**571036EX**	10
42	55	28-38	14	**571042EX**	5
48	61	38-45	15	**571048EX**	5



UNI-Ex SERIES
Insulated cable glands with Pg
threading, with ATEX long thread
IP68

Pg	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
7	13	4-6,5	15	**571107EX**	100
9	16	6,5-8	15	**571109EX**	100
11	19	8-10	15	**571111EX**	100
13,5	21	9-12	15	**571113EX**	100
16	23	10-14	15	**571116EX**	50
21	29	14-18	15	**571121EX**	50
29	38	18-22	15	**571129EX**	25
36	48	22-32	18	**571136EX**	10
42	55	28-38	18	**571142EX**	5
48	61	38-45	18	**571148EX**	5



UNI-Ex SERIES
ATEX fittings with Pg type thread
for watertight enclosures
IP66 / IP67

Pg	Assembly hole (mm)	For cables max	Palazzoli code	Pack Q.ty
21	29	17	**580242EX**	1
29	38	24	**580243EX**	1
36	48	37	**580244EX**	1
29/36	38 -> 48	24	**580203EX**	1

Characteristics:
they can couple enclosures to socket-outlets and enclosures to enclosures.
Equipment:
inclusive of threaded shade ring, nut and gasket.



UNI-Ex SERIES
ATEX screwcaps
with Pg pitch thread
IP66 / IP67

Pg	Palazzoli code	Pack Q.ty
21	**580232EX**	1
29	**580233EX**	1
36	**580234EX**	1

Equipment:
inclusive of gasket.



UNI SERIES
Polygonal nuts with
Pg pitch thread

Pg	Palazzoli code	Pack Q.ty
7	**571207**	100
9	**571209**	100
11	**571211**	100
13,5	**571213**	100
16	**571216**	100
21	**571221**	50
29	**571229**	50
36	**571236**	30
42	**571242**	25
48	**571248**	20

Uses:
they are used for fastening Pg accessories onto walls with through holes.

Product specifications
page 285



UNI-Ex SERIES
Insulated cable glands with ATEX metric pitch threading
IP68

Thread	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
M12x1.5	12,5	4-6,5	8	**101081EX**	100
M16x1,5	16,5	6,5-10	8	**581016EX**	100
M20x1,5	20,5	10-13	9	**581020EX**	100
M25x1,5	25,5	11-17	10	**581025EX**	50
M32x1,5	32,5	16-21	10	**581032EX**	25
M40x1,5	40,5	21-27	10	**581040EX**	15
M50x1,5	50,5	27-35	12	**581050EX**	10
M63x1,5	63,5	35-40	12	**581063EX**	5

Characteristics:
Sealed threading suitable for creating restricted breathing.



UNI-Ex SERIES
Insulated cable glands with metric pitch thread, with ATEX long thread
IP68

Thread	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
M12x1,5	12,5	4-6,5	15	**581112EX**	100
M16x1,5	16,5	6,5-10	15	**581116EX**	100
M20x1,5	20,5	10-13	15	**581120EX**	50
M25x1,5	25,5	11-17	15	**581125EX**	50
M32x1,5	32,5	16-21	15	**581132EX**	25
M40x1,5	40,5	21-27	18	**581140EX**	15
M50x1,5	50,5	27-35	18	**581150EX**	10
M63x1,5	63,5	35-40	18	**581163EX**	5

Characteristics:
Sealed threading suitable for creating restricted breathing.
Uses:
for cable/conduit entry into boxes with very thick walls.



UNI SERIES
Polygonal nuts with metric pitch thread, for cable glands
IP68

Thread	Palazzoli code	Pack Q.ty
M12x1,5	**581212**	100
M16x1,5	**581216**	100
M20x1,5	**581220**	100
M25x1,5	**581225**	100
M32x1,5	**581232**	50
M40x1,5	**581240**	30
M50x1,5	**581250**	30
M63x1,5	**581263**	15

Uses:
they are used to fasten cable glands with metric pitch to walls with through holes.

Product specifications page 285

UNI-Ex SERIES ATEX screwcaps with Gas threading IP66 and IP67



Assembly hole type	Palazzoli code	Pack Q.ty
3/8"	**580051EX**	1
1/2"	**580052EX**	1
3/4"	**580054EX**	1

Uses:
it closes unused Gas thread holes.

UNI-Ex SERIES ATEX coupling fittings with Gas threading IP66 and IP67



Assembly hole type	Internal hole ø (mm)	Palazzoli code	Pack Q.ty
1/2"	16	**590002EX**	100
3/4"	20	**590004EX**	1

Equipment:
inclusive of sleeve and small gasket ring in elastomer.
Uses:
they are used for joining boxes with connections of the same size.

UNI-Ex SERIES ATEX fittings for joining smooth hole box/threaded hole box IP66 and IP67



Threaded hole type	Smooth hole ø (mm)	Internal hole ø (mm)	Palazzoli code	Pack Q.ty
1/2"	21	12,5	**590032EX**	100

Equipment:
inclusive of threaded sleeve with notched crown and small gasket ring in elastomer.
Uses:
it is used for joining a smooth hole box with a 1/2" threaded hole box.
Complementary items:
spanner for fittings on page 149.

Product specifications page 285



UNI-Ex SERIES
Brass cable glands with
ATEX metric pitch threading
IP68

Thread	Assembly hole (mm)	Fastening diameter (mm)	Thread lenght (mm)	Palazzoli code	Pack Q.ty
M12x1,5	12,5	4-7	12	**582112EX**	100
M16x1,5	16,5	6,5-10	12	**582116EX**	100
M20x1,5	20,5	10-13	12	**582120EX**	50
M25x1,5	25,5	11-17	12	**582125EX**	50
M32x1,5	32,5	14-21	15	**582132EX**	25
M40x1,5	40,5	21-26	15	**582140EX**	10
M50x1,5	50,5	26-35	15	**582150EX**	8
M63x1,5	63,5	35-40	15	**582163EX**	5



UNI SERIES
Brass polygonal nuts
with metric thread

Thread	Palazzoli code	Pack Q.ty
M12x1,5	**582212**	100
M16x1,5	**582216**	100
M20x1,5	**582220**	100
M25x1,5	**582225**	100
M32x1,5	**582232**	25
M40x1,5	**582240**	10
M50x1,5	**582250**	10
M63x1,5	**582263**	5

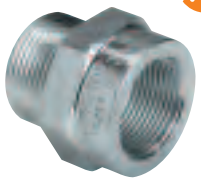
Uses:
they are used to fasten cable glands with metric pitch to enclosure walls with through holes.



UNI-Ex SERIES
Brass Gas/Metric adaptors
for conduit/box couplings
IP66/67

For threaded hole	For pipe with threading type	Palazzoli code	Pack Q.ty
3/8" Gas	M16x1,5	**580360EX**	1
1/2" Gas	M20x1,5	**580361EX**	1
3/4" Gas	M25x1,5	**580364EX**	1
1" Gas	M32x1,5	**580365EX**	1

Uses:
they are equipped with Iso metric threaded insert for direct installation on Gas threaded holes.



UNI-Ex SERIES
Brass Pg/Metric adaptors
for conduit/box couplings
IP66/67

For threaded hole	For pipe with threading type	Palazzoli code	Pack Q.ty
Pg21	M25x1,5	**580394EX**	1
Pg29	M32x1,5	**580395EX**	1
Pg36	M40x1,5	**580396EX**	1

Uses:
they are equipped with Iso metric threaded insert for direct installation on Pg threaded holes.

CAM-EX series

PRODUCT SPECIFICATIONS

In compliance with standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

2, 21 and 22 ZONE

Certifications: European Certification Consortium / IMQ

For classifications of each item see page 260-261

All products from the CAM-EX series are equipped with test device that allows an individual test that quarantees the adequateness of the protection mode (restricted breathing) The testing point is located on the bottom side on the enclosure and features a specific gland.



CAM-Ex SERIES
ATEX watertight wall-mounting switches in window enclosure of thermosetting (GRP) material
IP66 / IP67

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Windows	Palazzoli code	Pack Q.ty
100A (2D) 80A (3G)	4	3	185x250	a / a	**292503EX**	1
200A (2D) 150A (3G)	4	3	185x250	a / a	**292603EX**	1
	4	3	250x250	b / b	**292623EX**	1

Equipment:
Lockable knob. Earth terminal inside the box. Window enclosures with flanged windows equipped with gaskets and screws.
Characteristics:
Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.
Anti-tracking, anti-static and self-extinguishing resin body.
All products from the CAM-EX series are equipped with test port to allow single limited respiration testings after installation
and during ordinary maintenance. The point is made
made in the lower part thanks to the cable gland.



CAM-Ex SERIES
ATEX watertight wall-mounting switches in enclosure of thermosetting (GRP) material
IP66 / IP67

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
16A (2D) 10A (3G)	2	1	92x125	Pg13,5 / Pg13,5	**292101EX**	1
	3	2	92x125	Pg13,5 / Pg13,5	**292102EX**	1
	4	3	92x125	Pg13,5 / Pg13,5	**292103EX**	1
25A (2D) 20A (3G)	2	1	92x125	Pg16 / Pg16	**292201EX**	1
	3	2	92x125	Pg16 / Pg16	**292202EX**	1
	4	3	92x125	Pg16 / Pg16	**292203EX**	1
40A (2D) 32A (3G)	2	1	125x185	Pg21 / Pg21	**292301EX**	1
	3	2	125x185	Pg21 / Pg21	**292302EX**	1
	4	3	125x185	Pg21 / Pg21	**292303EX**	1
63A (2D) 50A (3G)	2	1	125x185	Pg29 / Pg29	**292411EX**	1
	3	2	125x185	Pg29 / Pg29	**292412EX**	1
	4	3	125x185	Pg29 / Pg29	**292413EX**	1

Equipment:
earth terminal inside the box.
Characteristics:
Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.
Anti-tracking, anti-static and self-extinguishing resin body.

Product specifications page 289
Dimensions page 418



CAM-Ex SERIES
ATEX wall-mounted switches
in enclosure alloy windowed
in aluminium alloy
IP66 / IP67

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Windows	Palazzoli code	Pack Q.ty
16 (2D-3G)	2	1	92x92	F0 1/2" F0 1/2"	**272141EX**	6
	3	2	92x92	F0 1/2" F0 1/2"	**272142EX**	6
	4	3	92x92	F0 1/2" F0 1/2"	**272143EX**	6
	6	3.1	92x125	F0 3/4" F0 3/4"	**272144EX**	1
25 (2D-3G)	2	1	92x92	F0 3/4" F0 3/4"	**272241EX**	1
	3	2	92x92	F0 3/4" F0 3/4"	**272242EX**	6
	4	3	92x92	F0 3/4" F0 3/4"	**272243EX**	6
	6	3.1	92x125	F0 3/4" F0 3/4"	**272244EX**	1
40 (2D-3G)	2	1	125x125	F1 1" F1 1"	**272301EX**	1
	3	2	125x125	F1 1" F1 1"	**272302EX**	1
	4	3	125x125	F1 1" F1 1"	**272303EX**	1
	6	3.1	125x185	F1 1" F1 1"	**272304EX**	1

(to be contd.)

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Windows	Palazzoli code	Pack Q.ty
63 (2D) 50 (3G)	3	2	125x185	F1 1" F1 1"	**282402EX**	1
	4	3	125x185	F1 1" F1 1"	**282403EX**	1
	6	3.1	125x185	F1 1" F1 1"	**282404EX**	1
80 (3GD)	3	2	185x252	F3 1"1/2 F3 1"1/2	**272502EX**	1
	4	3	185x252	F3 1"1/2 F3 1"1/2	**272503EX**	1
200 (3GD)	4	3	220x315	F3 1"1/2 F3 1"1/2	**282603EX**	1

Equipment:
Earth terminal inside and outside the box.
Characteristics:
IP65 protection rating for 80A and 200A capacity.

Product specifications page 289
Dimensions page 418



CAM-Ex SERIES
ATEX wall-mounting watertight selector switches in aluminium alloy enclosures with windows
IP66 / IP67

Rated current (A)	Poles	Scheme CAM	Enclosure dimensions (mm)	Windows	Palazzoli code	Pack Q.ty
16A (3GD)	3	6	92x125	F0 1/2" / F0 1/2"+1/2"	**272146EX**	1
	4	7	92x125	F0 1/2" / F0 1/2"+1/2"	**272147EX**	1
25A (3GD)	3	6	92x125	F0 3/4" / F0 1/2"+1/2"	**272246EX**	1
	4	7	92x125	F0 3/4" / F0 1/2"+1/2"	**272247EX**	1
40A (3GD)	3	6	125x185	F1 3/4"+3/4" / F1 1"	**272306EX**	1
	4	7	125x185	F1 3/4"+3/4" / F1 1"	**272307EX**	1
50A (3GD)	3	6	125x185	F1 3/4"+3/4" / F1 1"	**282406EX**	1
	4	7	252x185	F4 1"1/2+1"1/2 / F4 1"1/2	**282407EX**	1
100A (3GD)	4	7	315x315	F5 2"+2" / F5 2"	**272507EX**	1

Equipment:
earth terminal inside and outside the box.
Characteristics:
IP65 protection rating for 80A, 200A and 300A capacity..

Product specifications page 289
Dimensions page 418

Sirens and bells for alarms and signalling





ALARM-EX 293
Sirens



ALARM-EX 293
Bells

ALARM-EX series

PRODUCT SPECIFICATIONS

In compliance with standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

2, 21 and 22 ZONE

Certifications: European Certification Consortium / IMQ

For classifications of each item see page 260-261



ALARM-Ex SERIES
ATEX watertight sirens with vibrating diaphragm for extended operation in aluminium alloy in metal enclosure
IP66

Rated current	Frequency	1 metre sound level (dB)	Power (VA)	Cable glands	Palazzoli code	Pack Q.ty
24V~	50/60Hz	107/105	60VA initial vibrating 25VA	M20x1.5	**101081EX**	1
110V~	50/60Hz	107/105	60VA initial vibrating 25VA	M20x1.5	**101081EX**	1
230V~	50/60Hz	107/105	60VA initial vibrating 25VA	M20x1.5	**101081EX**	1

Equipment:
cable gland with gasket, terminal block in insulating thermosetting (GRP) material.
Characteristics:
extended operation with 1 hour pause every 4 hours. Captive gaskets in non-ageing eastomer fastened to a non-deformable rigid base to ensure the proper limited respiration even after frequent removal. The aluminium alloy casing ensures the greatest level of protection against severe environmental conditions, in particular against impact and corrosion. Corrosion resistant non-loosening terminals.



ALARM SERIES
Directional horn for sirens

Diameter max. (mm)	Projection siren+horn (mm)	Palazzoli code	Pack Q.ty
112	238	**900448**	1

Equipment:
inclusive of stainless steel fixing screws.

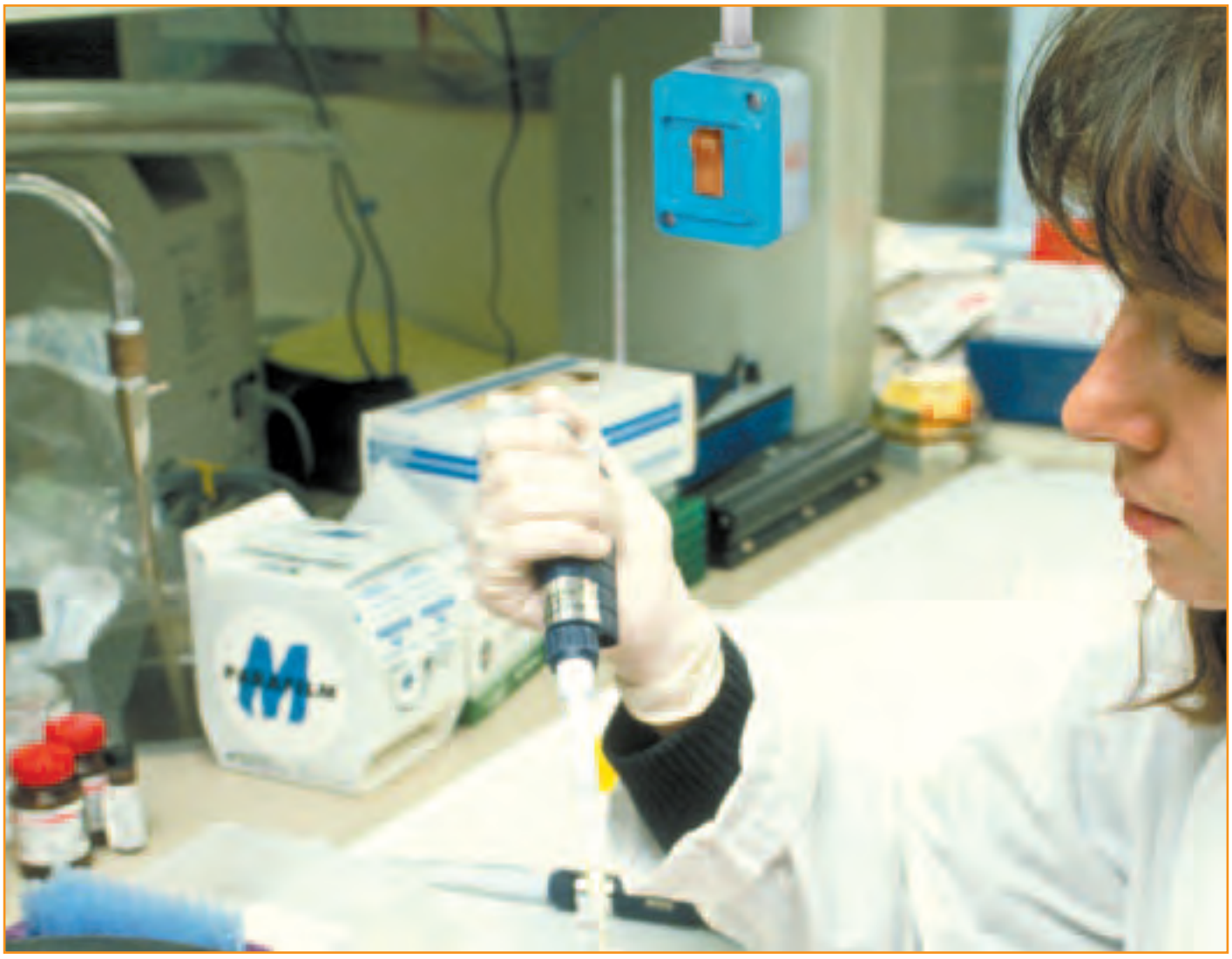


ALARM-Ex SERIES
ATEX watertight sirens for continuous operation in aluminium alloy in metal enclosure
IP66

Rated current	Drum diameter (mm)	1 metre sound level (dB)	Power (VA)	Cable glands	Palazzoli code	Pack Q.ty
24V~	105	101	initial 13VA 11VA vibrating	M20x1.5	**101081EX**	1
110V~	105	101	initial 13VA 11VA vibrating	M20x1.5	**101081EX**	1
230V~	105	101	initial 13VA 11VA vibrating	M20x1.5	**101081EX**	1

Equipment:
cable gland with gasket, terminal block in insulating thermosetting (GRP) material, earth screws inside and outside the box.
Characteristics:
these are suitable for continuous or extended operation. Captive gaskets in non-ageing eastomer fastened to a non-deformable rigid base to ensure the proper limited respiration even after frequent removal. The aluminium alloy casing ensures the greatest level of protection against severe environmental conditions, in particular against impact and corrosion. Corrosion resistant non-loosening terminals.

Product specifications page 293
Dimensions page 420





TAIS-MIGNON-EX 295

In thermosetting (GRP) material IP66/IP67



RONDÒ-EX

In aluminium alloy IP54/IP65

TAIS-MIGNON-EX series

PRODUCT SPECIFICATIONS

In compliance with standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

2, 21 and 22 ZONE

Certifications: European Certification Consortium / IMQ

For classifications of each item see page 260-261

All products from the TAIS-MIGNON-EX seriesare equipped with test port to allow single limited respiration testings after installation and during ordinary maintenance. The test point is made in the lower part thanks to the cable gland.



TAIS-MIGNON-Ex SERIES
ATEX switches in watertight wall-mounting enclosure in thermosetting (GRP) material
IP66 / IP67

Poles	Rated voltage/current	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
1	16A 250V~ 10A 400V~ **(2D - 3G)**	62x80x48	1/2"	**202271EX**	1
1	16A 250V~ 10A 400V~ **(2D - 3G)**	62x80x48	3/8" 3/8"	**202261EX**	1
2	16A 250V~ 10A 400V~ **(2D - 3G)**	62x80x48	3/8" 3/8"	**202262EX**	1
2	16A 250V~ 10A 400V~ **(2D - 3G)**	62x80x48	1/2" 1/2"	**202282EX**	1
3	8A (2D) - 12A (3G) 400V~ **(2D - 3G)**	62x80x48	1/2" 1/2"	**202283EX**	1

Characteristics:
code 202271EX they can also be used with two opposite inlets. Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.



TAIS-MIGNON-Ex SERIES
ATEX two-way switches in watertight wall-mounting enclosure in thermosetting (GRP) material
IP66 / IP67

Poles	Rated voltage/current	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
1	16A 250V~ 10A 400V~ **(2D - 3G)**	62x80x48	1/2"	**202276EX**	1
1	16A 250V~ 10A 400V~ **(2D - 3G)**	62x80x48	3/8" 3/8"	**202266EX**	1

Characteristics:
code 202276EX they can also be used with two opposite inlets. Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.



TAIS-MIGNON-Ex SERIES
ATEX selector switches in watertight wall-mounting enclosure in thermosetting (GRP) material
IP66 / IP67

Poles	Rated voltage/current	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
1	16A 250V~ 10A 400V~ **(2D - 3G)**	62x80x48	1/2"	**202275EX**	1
1	16A 250V~ 10A 400V~ **(2D - 3G)**	62x80x48	3/8" 3/8"	**202265EX**	1

Characteristics:
code 202275EX they can also be used with two opposite inlets. By removing the rear bond, the device becomes a double single-pole switch. Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.

Product specifications page 295
Dimensions page 421



TAIS-MIGNON-Ex SERIES
ATEX push-button in watertight wall-mounting enclosure in thermosetting (GRP) material
IP66 / IP67

Poles	Rated voltage/current	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
1 NA	10A 400V~ **(2D - 3G)**	62x80x51	1/2"	**261435EX**	1
1 NA	10A 400V~ **(2D-3G)**	62x80x51	3/8" 3/8"	**261403EX**	1
1 NC	10A 400V~ **(2D-3G)**	62x80x51	1/2"	**261445EX**	1
1 NC	10A 400V~ **(2D-3G)**	62x80x51	3/8" 3/8"	**261413EX**	1

Characteristics:
code 261435EX and code 261445EX they can also be used with two opposite inlets. Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.



TAIS-MIGNON-Ex SERIES
On-off ATEX push-button panel in watertight wall-mounting enclosure in thermosetting (GRP) material
IP66 / IP67

Rated current/voltage	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
10A 400V~ **(2D - 3G)**	62x80x51	1/2"	**261433EX**	1

Characteristics:
they can be used with two opposite inlets. Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals.



TAIS-MIGNON-Ex SERIES
ATEX signal lamps in watertight wall-mounted enclosure thermosetting (GRP) material
with E14 lampholder
IP65

Diffuser colour	Rated voltage	Enclosure dimensions (mm)	Holes	Palazzoli code	Pack Q.ty
Red	250V	62x80x78	1/2"	**800061EX**	1
Green	250V	62x80x78	1/2"	**800062EX**	1
Yellow	250V	62x80x78	1/2"	**800064EX**	1
Transparent	250V	62x80x78	1/2"	**800063EX**	1

Characteristics:
they can also be used with two opposite inlets. Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration even after frequent removal and for temperature variations greater than expected. Corrosion resistant non-loosening terminals. Polycarbonate diffusor. Lampholder E14 for 3C bulbs, 12W max. (bulb not supplied).

Product specifications page 295
Dimensions page 421

RONDÒ-EX series

PRODUCT SPECIFICATIONS

In compliance with standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

2, 21 and 22 ZONE

Certifications: European Certification Consortium / IMQ

For classifications of each item see page 260-261

All products from the RONDì-EX series are equipped with test port to allow single limited respiration testings after installation and during ordinary maintenance. The test point is made in the lower part thanks to the cable gland.



RONDÒ-Ex SERIES
ATEX wall-mounted switches in watertight aluminium alloy enclosure
IP65

Poles	Rated voltage/current	Cable glands	Palazzoli code	Pack Q.ty
1	16A 250V~ 10A 400V~	1x1/2"	**201151EX**	1
2	16A 250V~ 10A 400V~	1x1/2"	**201152EX**	1
2	16A 250V~ 10A 400V~	2x1/2"	**201162EX**	1

Equipment and characteristics: see the following table.



RONDÒ-Ex SERIES
ATEX wall-mounted two-way switches in watertight aluminium alloy enclosure
IP65

Poles	Rated voltage/current	Cable glands	Palazzoli code	Pack Q.ty
1	16A 250V~ 10A 400V~	1x1/2"	**201156EX**	1
1	16A 250V~ 10A 400V~	2x1/2"	**201166EX**	1

Equipment:
with 1/2" gas cable glands. Earth screws inside and outside the box.
Characteristics:
Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration without maintenance. Corrosion resistant non-loosening terminals.



RONDÒ-Ex SERIES
ATEX wall-mounted selector switch in watertight aluminium alloy enclosure
IP65

Poles	Rated voltage/current	Cable glands	Palazzoli code	Pack Q.ty
1	16A 250V~ 10A 400V~	1x1/2"	**201155EX**	1

Equipment and characteristics: see the following table.



RONDÒ-Ex SERIES
ATEX wall-mounted push-button in watertight aluminium alloy enclosure
IP65

Poles	Rated voltage/current	Cable glands	Palazzoli code	Pack Q.ty
1 NA	10A 400V~	1x1/2"	**261021EX**	1

Equipment:
with 1/2" gas cable glands. Earth screws inside and outside the box.
Characteristics:
Captive gaskets in non-ageing elastomer fastened to a non-deformable rigid base to ensure limited respiration without maintenance. Corrosion resistant non-loosening terminals.



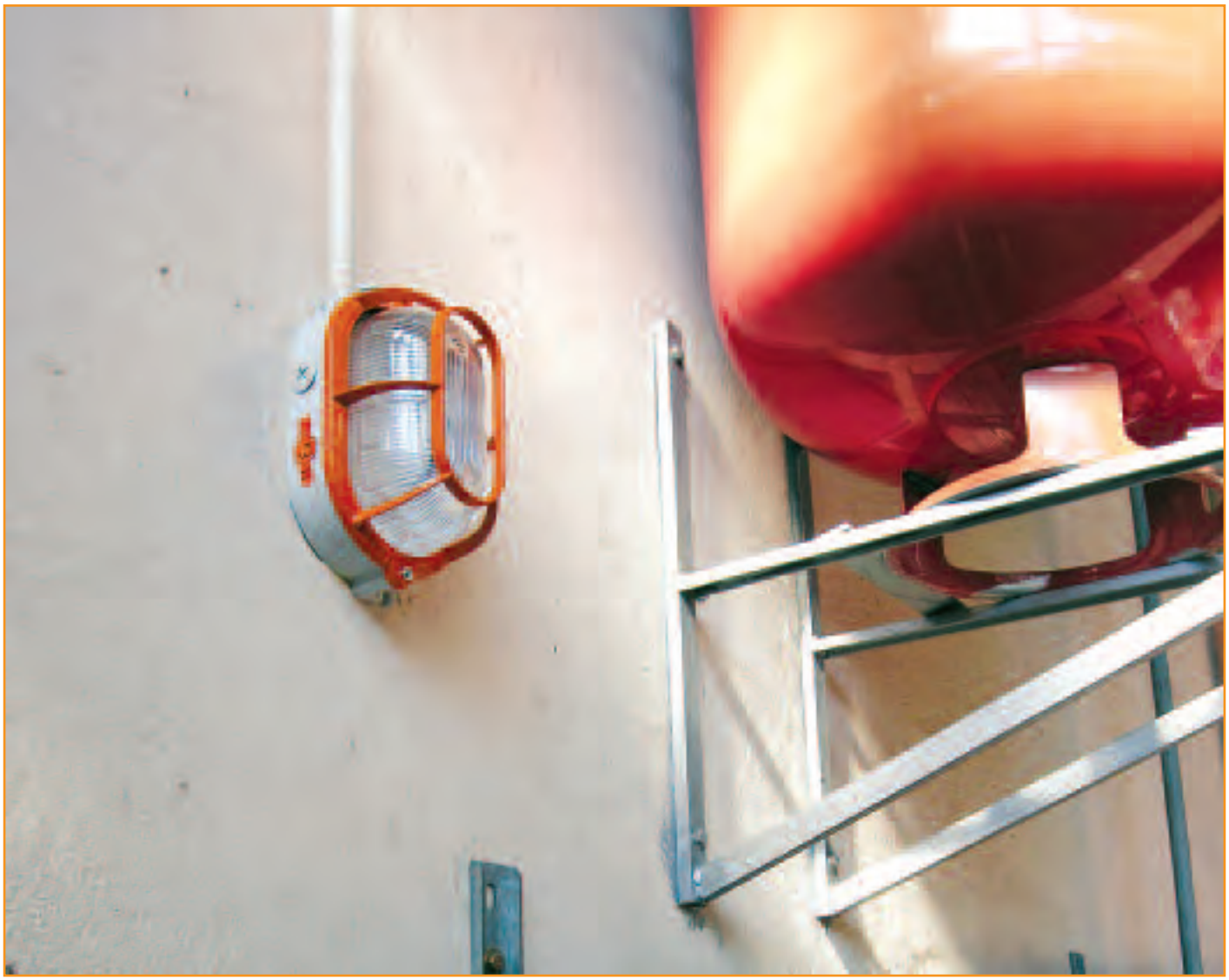
RONDÒ-Ex SERIES
ATEX wall-mounted signal lamps in watertight aluminium alloy enclosure
IP54

Diffuser colour	Rated use voltage	Lamp max. wattage (W)	Cable glands	Palazzoli code	Pack Q.ty
Red	250V	12	1x1/2"	**800121EX**	1
Green	250V	12	1x1/2"	**800122EX**	1
Transparent	250V	12	1x1/2"	**800123EX**	1

Equipment:
inclusive of 1/2" gas cable glands. External earth scew.
Characteristics:
lampholder E14 for 3C bulbs, 12W max. (bulb not supplied).

Product specifications page 297
Dimensions page 424

Lighting fixtures in aluminium alloy





RINO-EX 299

Oval lighting fixtures in aluminium alloy IP65



RINO-EX 299

Round lighting fixtures in aluminium alloy IP65

RINO-EX series

PRODUCT SPECIFICATIONS

In conformity with standards: GAS: EN 60079-15
DUSTS: EN 61241-1

Compliance with directives: ATEX 94/9/CE

2, 21 and 22 ZONE

Certifications: European Certification Consortium / IMQ

For classifications of each item see page 260-261



RINO-Ex SERIES
ATEX grey watertight oval lighting fixtures in aluminium alloy RAL 7035, tropicalized steel wire protective cage and glass diffuser
250V - IP65

Lamp max. wattage (W)	Lampholder	Cable gland entry 1/2"	Palazzoli code	Pack Q.ty
60	E27	1	**831072EX**	1
100	E27	1	**831172EX**	1
100	E27	2	**831192EX**	1

Equipment:
cable entries with1/2" gas cable gland. Internal earth screws.
Characteristics:
porcelain lampholder. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.



RINO-Ex SERIES
RAL 7035 grey ATEX watertight oval lighting fixtures in aluminium alloy, die-cast cage and glass diffuser
250V - IP65

Lamp max. wattage (W)	Lampholder	Cable gland entry 1/2"	Palazzoli code	Pack Q.ty
200	E27	1	**831275EX**	1
200	E27	2	**831295EX**	1
5-7-9	G23	1	**831954EX**	1

Equipment:
cable entries with1/2" gas cable gland. Internal earth screws.
Characteristics:
porcelain lampholder. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.



RINO-Ex SERIES
ATEX grey watertight round lighting fixture in aluminium alloy RAL 7035, tropicalized steel wire protective cage and glass diffuser
250V - IP65

Lamp max. wattage (W)	Lampholder	Cable gland entry 1/2"	Palazzoli code	Pack Q.ty
100	E27	1	**830072EX**	1

Equipment:
cable entries with one1/2' gas cable gland. Internal earth screws.
Characteristics:
porcelain lampholder. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.

Product specifications page 299
Dimensions page 427





RINO-EX 301

Stainless steel lighting fixtures
with white reflector IP66



RINO-EX 302

Stainless steel lighting fixtures
with aluminium reflector IP66



RINO 303

Technical accessories

RINO-EX series

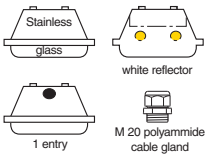
PRODUCT SPECIFICATIONS

In conformity with standards:	GAS:	EN 60079-15
	DUSTS:	EN 61241-1
Compliance with directives:	ATEX 94/9/CE	
	2, 21 and 22 ZONE	
Certifications:	European Certification Consortium / IMQ	

For classifications of each item see page 260-261

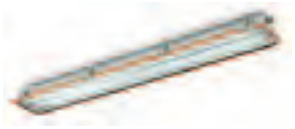


RINO-Ex SERIES
ATEX stainless steel-glass lighting fixtures with white **reflector and electromagnetic power supply** 230V - 50 Hz - IP66

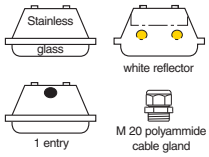


Lamp wattage (W)	Lampholders and lamps	Dimensions (mm)	Palazzoli code	Pack Q.ty
1x18	G13 T8	690x200x100	**822101EX**	1
2x18	G13 T8	690x200x100	**822102EX**	1
3x18	G13 T8	690x200x100	**822103EX**	1
1x36	G13 T8	1300x200x100	**822201EX**	1
2x36	G13 T8	1300x200x100	**822202EX**	1
3x36	G13 T8	1300x200x100	**822203EX**	1

Equipment:
M20 polyammide cable gland.
Pair of hooks for pendant installation.
Characteristics:
AISI 304 stainless steel body and hooks. Diffuser in tempered glass with an impact resistance of 10J. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.



RINO-Ex SERIES
ATEX stainless steel-glass lighting fixtures with white reflector and **electronic power supply** 230VAC/DC - IP66

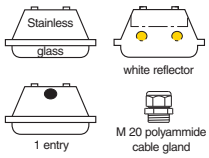


Lamp wattage (W)	Lampholders and lamps	Dimensions (mm)	Palazzoli code	Pack Q.ty
1x54	G5 T5	1300x200x100	**822961EX**	1
2X54	G5 T5	1300x200x100	**822962EX**	1

Equipment:
M20 polyammide cable gland.
Pair of hooks for pendant installation.
Characteristics:
AISI 304 stainless steel body and hooks. Diffuser in tempered glass with an impact resistance of 10J. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.



RINO-Ex SERIES
Stainless steel-glass lighting fixtures, for **emergency** 230V - 50 Hz - IP66



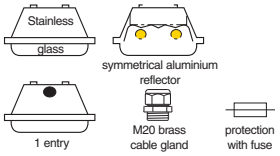
Lamp wattage (W)	Lampholders and lamps	Dimensions (mm)	Palazzoli code	Pack Q.ty
(1+1)x36	G13 T8	1300x200x100	**822211EX**	1

Equipment:
M20 polyammide cable gland.
Pair of hooks for pendant installation.
Characteristics:
permanent emergency wiring on a single lamp, Ni-Cd battery, inverter, 1h autonomy, 24h recharge with the possibility of inhibition. AISI 304 stainless steel body and hooks. Diffuser in tempered glass with an impact resistance of 10J. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a rigid base.

Product specifications page 301
Dimensions page 428

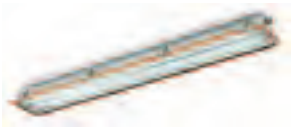


RINO-Ex SERIES
ATEX stainless steel-glass lighting fixtures with aluminium reflector **and electromagnetic power supply**
230V - 50 Hz - IP66

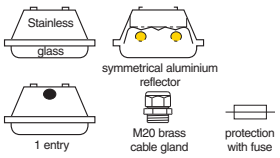


Lamp wattage (W)	Lampholders and lamps	Dimensions (mm)	Palazzoli code	Pack Q.ty
2x18	G13 T8	690x200x100	**820102EX**	1
2x36	G13 T8	1300x200x100	**820202EX**	1

Equipment:
ultra-polished aluminium reflector. M20 brass cable gland. Pair of hooks for pendant installation.
Characteristics:
AISI 304 stainless steel body and hooks. Diffuser in tempered glass with an impact resistance of 10J. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.



RINO-Ex SERIES
ATEX stainless steel-glass lighting fixtures with aluminium reflector **and electronic power supply**
230VAC/DC - IP66

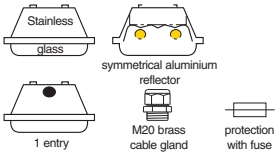


Lamp wattage (W)	Lampholders and lamps	Dimensions (mm)	Palazzoli code	Pack Q.ty
2x18	G13 T8	690x200x100	**820132EX**	1
2x36	G13 T8	1300x200x100	**820232EX**	1

Equipment:
ultra-polished aluminium reflector. M20 brass cable gland. Pair of hooks for pendant installation.
Characteristics:
AISI 304 stainless steel body and hooks. Diffuser in tempered glass with an impact resistance of 10J. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.



RINO-Ex SERIES
ATEX stainless steel-glass lighting fixtures with aluminium reflector **for emergency**
230V - 50 Hz - IP66



Lamp wattage (W)	Lampholders and lamps	Dimensions (mm)	Palazzoli code	Pack Q.ty
(1+1)x18	G13 T8	690x200x100	**820111EX**	1
(1+1)x36	G13 T8	1300x200x100	**820211EX**	1

Equipment:
ultra-polished aluminium reflector. M20 brass cable gland. Pair of hooks for pendant installation.
Characteristics:
permanent emergency wiring on a single lamp, Ni-Cd battery, inverter, 1h autonomy, 24h recharge with the possibility of inhibition. AISI 304 stainless steel body and hooks. Diffuser in tempered glass with an impact resistance of 10J. Corrosion resistant non-loosening terminals, non-sparking lampholder (in compliance with CEI of Committee 34). Unlosable gaskets in non-ageing elastomer fastened to a non-deformable rigid base.



RINO SERIES
Pair of hooks for pendant installation of painted stainless steel lighting fixtures

Manufacture material	Palazzoli code	Pack Q.ty
stainless steel AISI 304	**820001**	1

Equipment:
lighting fixture washers and fixing nuts



RINO SERIES
Pair of swivelling supports for wall and ceiling installation of painted stainless steel lighting fixtures

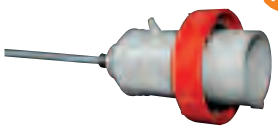
Rotating angle	Manufacture material	Palazzoli code	Pack Q.ty
± 75°	stainless steel AISI 304	**820000**	1



RINO SERIES
High output ultra-polished aluminium symmetrical reflectors

Manufacture material	For lighting fixtures	Palazzoli code	Pack Q.ty
Aluminium	1x18W e 3x18W	**820002**	1
Aluminium	1x36W e 3x36W	**820003**	1

TESTING DEVICES



ATEX SERIES
Device for
limited respiration testing
of interlocked socket-outlets
with Ex nr protection method

For interlocked socket-outlets	Pole number	Palazzoli code	Pack Q.ty
16A (2D) 10A (3G)	2P+⏚	**478126**	1
16A (2D)	3P+⏚	**478136**	1
10A (2D-3G) 16A (2D) 12A(3G)	3P+N+⏚	**478146**	1
32A (2D) 16A (3G)	2P+⏚	**478206**	1
32A (2D)	3P+⏚		
16A (2D-3G) 32A (2D) 25A(3G)	3P+N+⏚	**478246**	1
63A (2D) 32A (3G)	2P+⏚	**478306**	1
63A (2D)	3P+⏚		
32A (2D-3G) 63A (2D) 50A(3G)	3P+N+⏚		
80A (2D-3G)	3P+⏚	**478408**	1
	3P+N+⏚		

Instructions
insert the testing device into the socket-outlet (test port), tighten the device's shade ring and do the testing according to Art.33.7.1 of EN60079-15 Standards with the suitable measuring device.



At palazzoli.com the practical guide to install in potentially explosive atmosphere is available.
Experts from this field created detailed technical sheets for:
- Forklift truck battery charging zones;;
- Repair and Body shops;
- Garages;
- Painting departments;
- Heating Plants;
- Carpenteries;
- Ovens;
- Large kitchens;
- Grain silos;
Pharmaceutical industry.

Fire and explosion risks and severe environmental stresses are analysed.
For any application, the best solutions are thought for a state-of-the-art system.

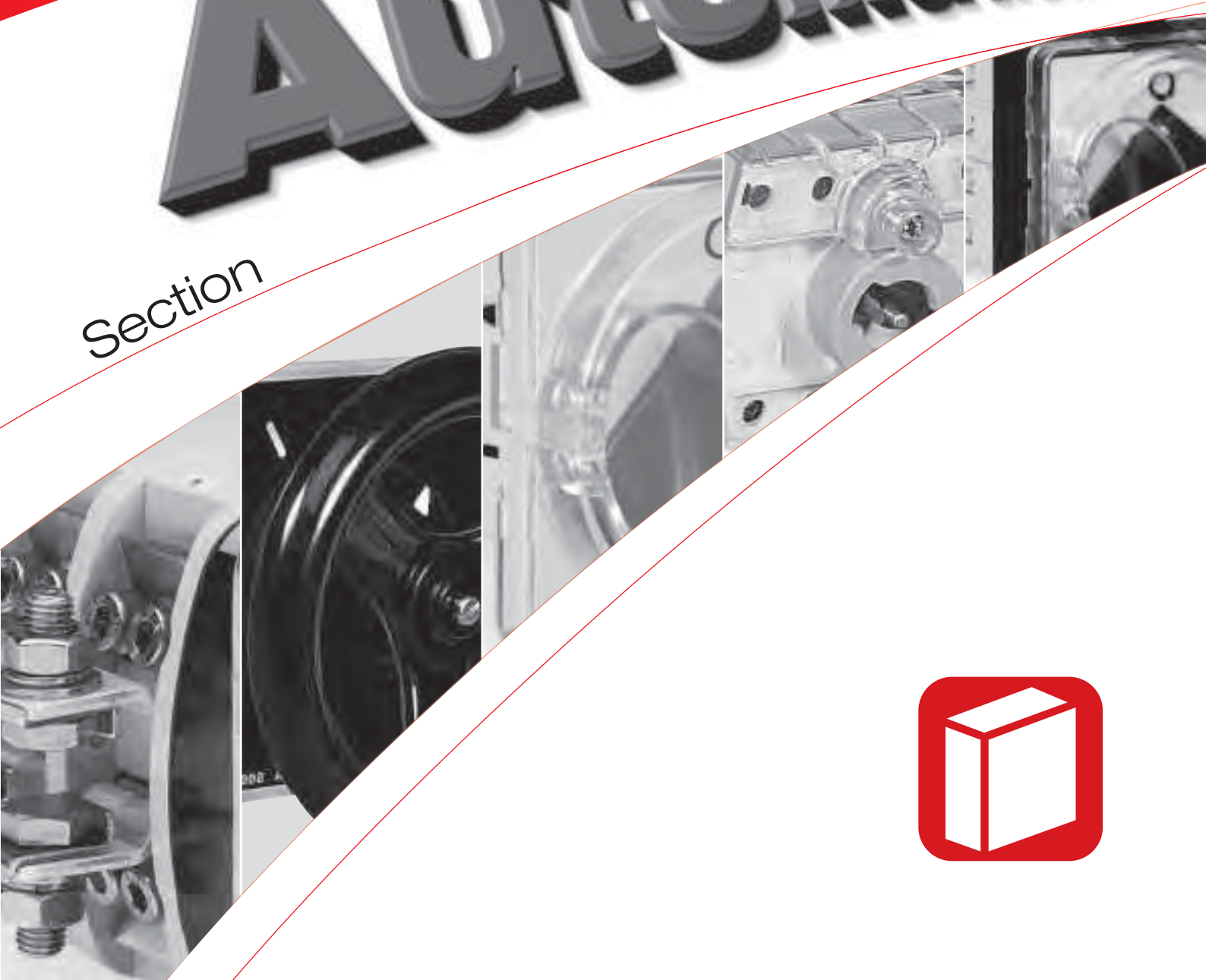
Certified Quality

In conformity with, Article 9 of **94/9/CE Directive** of the European Union Board of 23 March 1994, **IMQ** declared **that Palazzoli provides a quality system of production in conformity with Attchment IV of the Directive**. Moreover, Palazzoli can sell products for **Zone 21** (other than zones 2,22) according to C.E.C. (European Certification Consortium).



Automation

Section



CAM-ST MULTI-DIAGRAM CAM SWITCHES



SWITCHES In UP TO 63A - IP65 325

LINE SELECTOR SWITCHES
In UP TO 63A - IP65 326

LINE SELECTOR SWITCHES
In UP TO 25A - IP65 327

MOTOR SELECTOR SWITCHES
In UP TO 63A - IP65 330

INSTRUMENT SELECTOR SWITCHES
In UP TO 25A - IP65 331

ADDER AND MULTI-WAY SELECTOR SWITCHES
In UP TO 25A - IP65 334

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CAM-SZ ISOLATOR SWITCHES



REAR PANEL ISOLATOR SWITCHES
In UP TO 100A - IP65 345

BASE PANEL ISOLATOR SWITCHES
In UP TO 100A - IP65 346

WALL-MOUNTED ISOLATOR SWITCHES
In UP TO 100A - IP65 154

TECHNICAL ACCESSORIES 347

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CAM HEAVY DUTY USE CAM CONTROL DEVICES



REAR PANEL AND FLUSH-MOUNTING DEVICES WITH SCREW FIXING 348



BASE PANEL DEVICES WITH DOORLOCK 360



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PROTECTION DEVICES



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CONTROL, START, STOP AND EMERGENCY



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CAM-SZ page 345





CAM-ST page 339



CAM-ST page 325



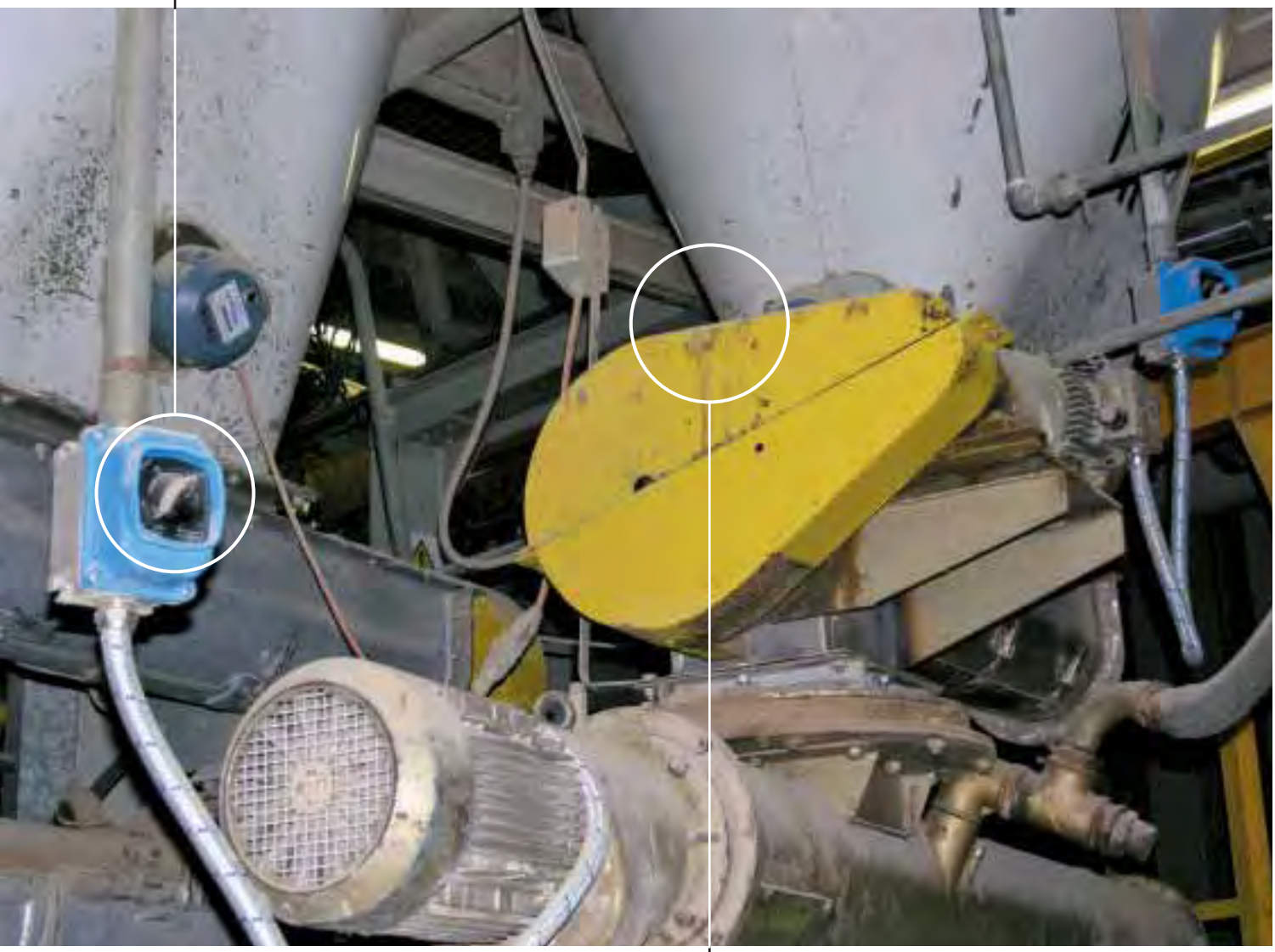
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CONTROL AND LINE SECTIONING



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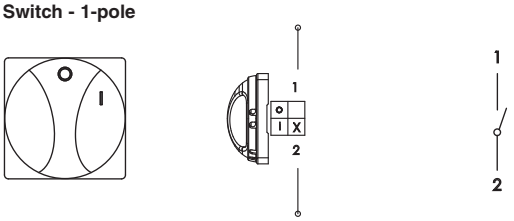
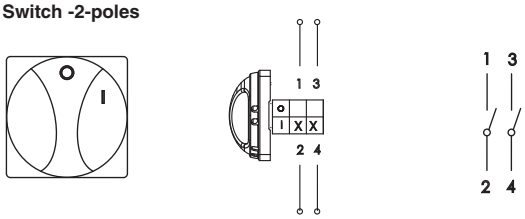
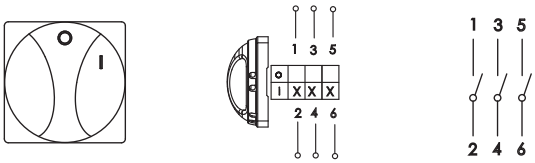
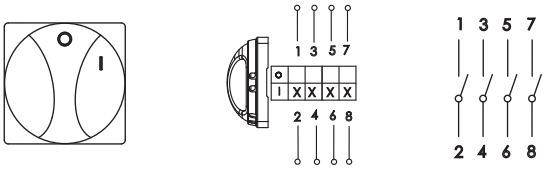
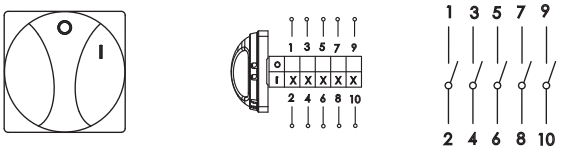
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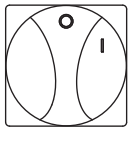
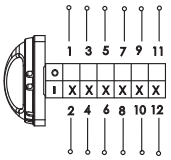
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SWITCHES

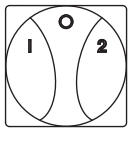
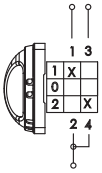
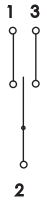
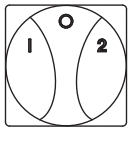
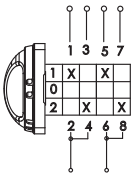
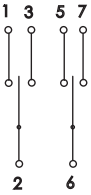
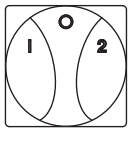
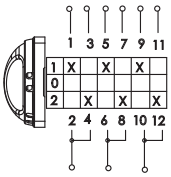
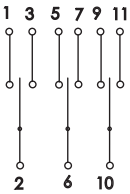
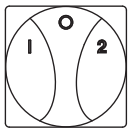
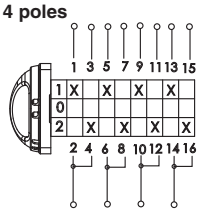
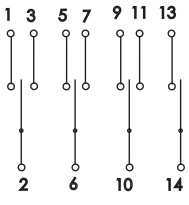
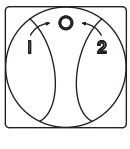
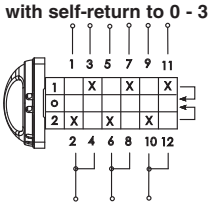
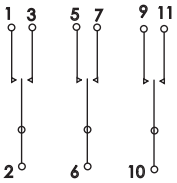
Front-plate	Connection layout	In (A)	AC3 400V (Kw)	Prof. (mm)	Black knob/ grey front-plate 48x48 mm	Black knob/ grey front-plate 67x67 mm
Switch - 1-pole						layout 0 - no. 1 disk
		12	4,5	33	210121	211121
		16	6,5	33	210161	211161
		20	8	33	210201	211201
		25	10	33	210251	211251
		32	10,5	42,4		212321
		40	13	42,4		212401
		63	22	42,4		212631
Switch -2-poles						layout 1 - no. 1 disk
		12	4,5	33	210122	211122
		16	6,5	33	210162	211162
		20	8	33	210202	211202
		25	10	33	210252	211252
		32	10,5	42,4		212322
		40	13	42,4		212402
		63	22	42,4		212632
Switch - 3-poles						layout 2 - no. 2 disks
		12	4,5	46	210123	211123
		16	6,5	46	210163	211163
		20	8	46	210203	211203
		25	10	46	210253	211253
		32	10,5	59,4		212323
		40	13	59,4		212403
		63	22	59,4		212633
		12	4,5	46		214123* emergency
		16	6,5	46		214163* emergency
		20	8	46		214203* emergency
		25	10	46		214253* emergency
		32	10,5	59,4		214323* emergency
		40	13	59,4		214403* emergency
		63	22	59,4		214633* emergency
* red knob / yellow front-plate						
Switch - 4 poles						layout 3 - no. 2 disks
		12	4,5	46	210124	211124
		16	6,5	46	210164	211164
		20	8	46	210204	211204
		25	10	46	210254	211254
		32	10,5	59,4		212324
		40	13	59,4		212404
		63	22	59,4		212634
		12	4,5	46		214124* emergency
		16	6,5	46		214164* emergency
		20	8	46		214204* emergency
		25	10	46		214254* emergency
		32	10,5	59,4		214324* emergency
		40	13	59,4		214404* emergency
		63	22	59,4		214634* emergency
* red knob / yellow front-plate						
Switch -5-poles						layout 43 - no. 3 disks
		12	4,5	59	210125	211125
		16	6,5	59	210165	211165
		20	8	59	210205	211205
		25	10	59	210255	211255

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SWITCHES

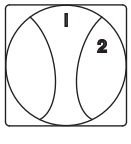
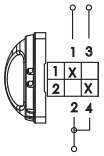
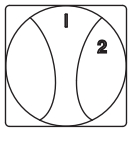
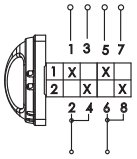
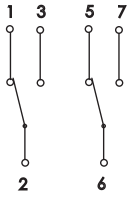
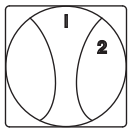
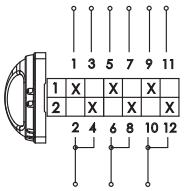
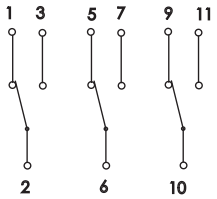
Front-plate	Connection layout	In (A)	AC3 400V (Kw)	Prof. (mm)	Black knob/ grey front-plate 48x48 mm	Black knob/ grey front-plate 67x67 mm
Switch -6-poles						
						layout 44 - no. 3 disks
		12	4,5	59	210126	211126
		16	6,5	59	210166	211166
		20	8	59	210206	211206
		25	10	59	210256	211256

LINE SELECTOR SWITCHES

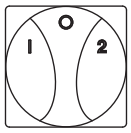
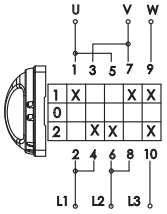
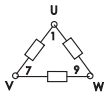
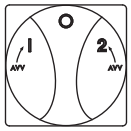
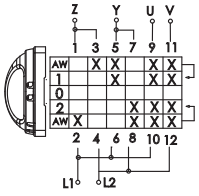
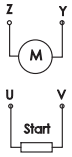
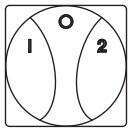
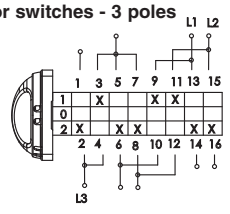
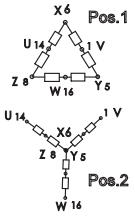
Line selector switch - 1 pole						
	 					layout 4 - no. 1 disk
		12	4,5	33	215121	216121
		16	6,5	33	215161	216161
		20	8	33	215201	216201
		25	10	33	215251	216251
		32	10,5	42,4		217321
		40	13	42,4		217401
		63	22	42,4		217631
Line selector switch - 2 poles						
	 					layout 5 - no. 2 disks
		12	4,5	46	215122	216122
		16	6,5	46	215162	216162
		20	8	46	215202	216202
		25	10	46	215252	216252
		32	10,5	59,4		217322
		40	13	59,4		217402
		63	22	59,4		217632
Line selector switch - 3 poles						
	 					layout 6 - no. 3 disks
		12	4,5	59	215123	216123
		16	6,5	59	215163	216163
		20	8	59	215203	216203
		25	10	59	215253	216253
		32	10,5	76,4		217323
		40	13	76,4		217403
		63	22	76,4		217633
Line selector switch - 4 poles						
	 					layout 7 - no. 4 disks
		12	4,5	72	215124	216124
		16	6,5	72	215164	216164
		20	8	72	215204	216204
		25	10	72	215254	216254
		32	10,5	93,4		217324
		40	13	93,4		217404
		63	22	93,4		217634
Line selector switches with self-return to 0 - 3 poles						
	 					layout 45 - no. 4 disks
		16	6,5	72	360163	361163
		25	10	72	360253	361253

Form for requesting special products on page 381

LINE SELECTOR SWITCHES

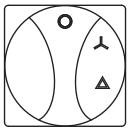
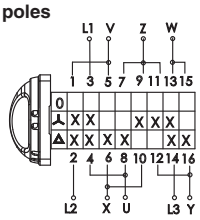
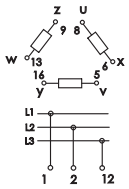
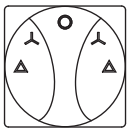
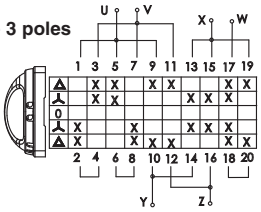
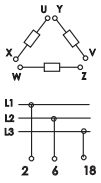
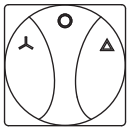
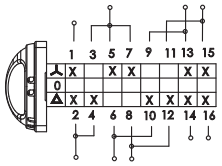
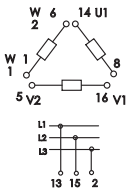
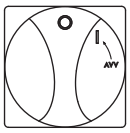
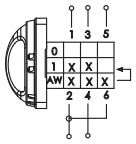
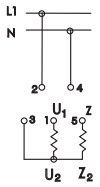
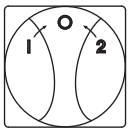
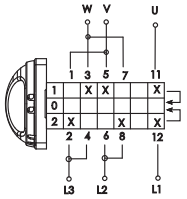
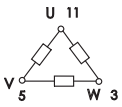
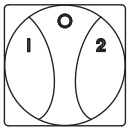
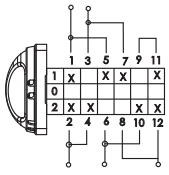
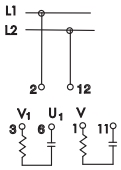
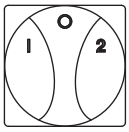
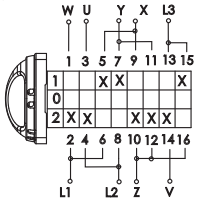
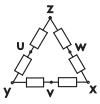
Front-plate	Connection layout	In (A)	AC3 400V (Kw)	Prof. (mm)	Black knob/ grey front-plate 48x48 mm	Black knob/ grey front-plate 67x67 mm
Line selector switches - 1 pole						
  						layout 8 - no. 1 disk
		12	4,5	33	236121	237121
		16	6,5	33	236161	237161
		20	8	33	236201	237201
		25	10	33	236251	237251
Line selector switches -2 poles						
  						layout 9 - no. 2 disks
		12	4,5	46	236122	237122
		16	6,5	46	236162	237162
		20	8	46	236202	237202
		25	10	46	236252	237252
Line selector switches - 3 poles						
  						layout 10 - no. 3 disks
		12	4,5	59	236123	237123
		16	6,5	59	236163	237163
		20	8	59	236203	237203
		25	10	59	236253	237253

MOTOR SELECTOR SWITCHES

Three-phase reversing switches - 3 poles						
  						layout 12 - no. 3 disks
		12	4,5	59	221123	222123
		16	6,5	59	221163	222163
		20	8	59	221203	222203
		25	10	59	221253	222253
		32	10,5	76,4		223323
		40	13	76,4		223403
		63	22	76,4		223633
Single-phase reversing switches - with auxiliary phase and automatic return - 2 poles						
  						layout 40 - no. 3 disks
		12	4,5	59	224122	225123
		16	6,5	59	224162	225163
		20	8	59	224202	225202
		25	10	59	224252	225252
Dahlander pole selector switches - 3 poles						
  						layout 66 - no. 4 disks
		12	4,5	72	381123	382123
		16	6,5	72	381163	382163
		20	8	72	381203	382203
		25	10	72	381253	382253

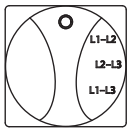
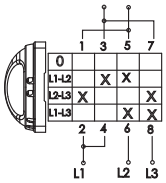
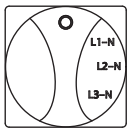
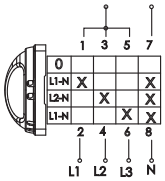
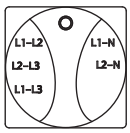
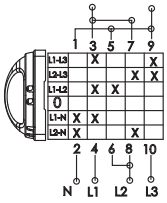
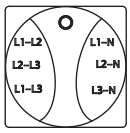
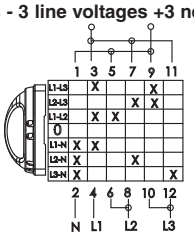
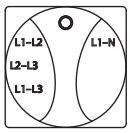
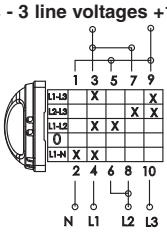
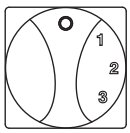
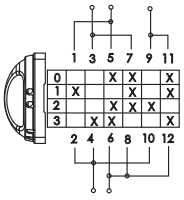
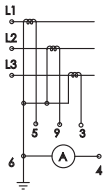
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MOTOR SELECTOR SWITCHES

Front-plate	Connection layout	In (A)	AC3 400V (Kw)	Prof. (mm)	Black knob/ grey front-plate 48x48 mm	Black knob/ grey front-plate 67x67 mm
Star/triangle starters - 3 poles	  					layout 13 - no. 4 disks
		12	4,5	72	218123	219123
		16	6,5	72	218163	219163
		20	8	72	218203	219203
		25	10	72	218253	219253
		32	10,5	93,4		220323
		40	13	93,4		220403
		63	22	93,4		220633
Star/triangle starters with reverse direction - 3 poles	  					layout 65 - no. 5 disks
		12	4,5	85	377123	378123
		16	6,5	85	377163	378163
		20	8	85	377203	378203
		25	10	85	377253	378253
Star-0-triangle starters - 3 poles	  					layout 71 - no. 4 disks
		12	4,5	72	379123	380123
		16	6,5	72	379163	380163
		20	8	72	379203	380203
		25	10	72	379253	380253
Switch for single-phase motor - with auxiliary phase and return from start pos. - 2 poles	  					layout 68 - no. 2 disks
		12	4,5	46	385122	386122
		16	6,5	46	385162	386162
		20	8	46	385202	386202
		25	10	46	385252	386252
Line selector switches with self-return to 0 - 3 poles	  					layout 67 - no. 3 disks
		12	4,5	59	383123	384123
		16	6,5	59	383163	384163
		20	8	59	383203	384203
		25	10	59	383253	384253
Two-pole reversing switch with condenser - 3 poles	  					layout 70 - no. 3 disks
		12	4,5	59	387122	388122
		16	6,5	59	387162	388162
		20	8	59	387202	388202
		25	10	59	387252	388252
Three-pole pole changing switch - with 0 central	  					layout 15 - no. 4 disks
		12	4,5	72	226123	227123
		16	6,5	72	226163	227163
		20	8	72	226203	227203
		25	10	72	226253	227253
		32	10,5	93,4		228323
		40	13	93,4		228403
		63	22	93,4		228633

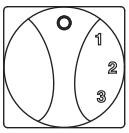
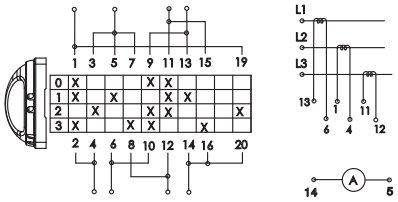
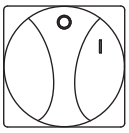
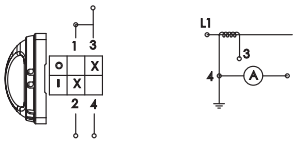
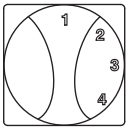
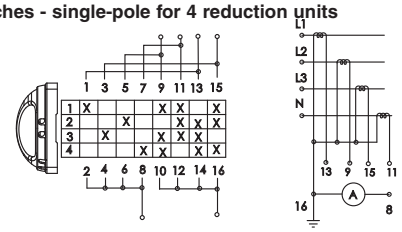
Form for requesting special products on page 381

INSTRUMENT SELECTOR SWITCHES

Front-plate	Connection layout	In (A)	Prof. (mm)	Black knob/ grey front-plate 48x48 mm	Black knob/ grey front-plate 67x67 mm
Voltmeter selector switches - 3 line phases					
					layout 18 - no. 2 disks
		12	33	229120	
		16	33	229160	
		25	33	229250	
Voltmeter selector switches - for 3 neutral-phase voltages					
					layout 19 - no. 2 disks
		12	46	230120	
		16	46	230160	
		25	46	230250	
Voltmeter selector switches - 3 line voltages +2 neutral-phase					
					layout 41 - no. 3 disks
		12	59	231120	
		16	59	231160	
Voltmeter selector switches - 3 line voltages +3 neutral-phase					
					layout 35 - no. 3 disks
		12	59	233120	
		16	59	233160	
		25	59	233250	
Voltmeter selector switches - 3 line voltages +1 neutral-phase					
					layout 42 - no. 3 disks
		12	59	234120	
		16	59	234160	
		25	59	234250	
Ammeter selector switches - single-pole for 3 reduction units					
					layout 75 - no. 3 disks
		12	59	235120	
		16	59	235160	
		20	59	235200	
		25		235250	

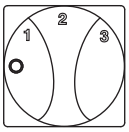
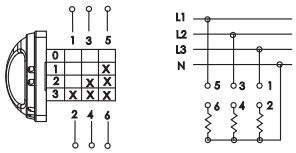
Form for requesting special products on page 381

INSTRUMENT SELECTOR SWITCHES

Front-plate	Connection layout	In (A)	AC3 400V (Kw)	Prof. (mm)	Black knob/ grey front-plate 48x48 mm	Black knob/ grey front-plate 67x67 mm
Ammeter selector switches - two-pole for 3 reduction units						
						layout 74 - no. 5 disks
		12		85	390120	
		16		85	390160	
		20		85	390200	
		25		85	390250	
Ammeter selector switches - single-pole for 1 reduction unit						
						layout 73 - no. 1 disk
		12		33	391120	
		16		33	391160	
		20		33	391200	
		25		33	391250	
Ammeter selector switches - single-pole for 4 reduction units						
						layout 72 - no. 4 disks
		12		72	392120	
		16		72	392160	
		20		72	392200	
		25		72	392250	

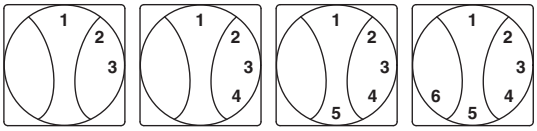
ADDER AND MULTI-WAY SELECTOR SWITCHES

Adder - 3-poles

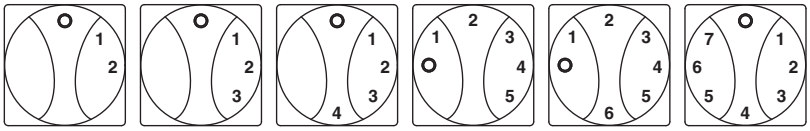
						layout 64 - no. 2 disks
		16	6,5	46	376161	
		25	10	46	376251	

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Multi-way selector switches (3, 4, 5, 6 ways) from page 334



Multi-way selector switches with 0 (2, 3, 4, 5, 6, 7 ways) from page 334



TECHNICAL ACCESSORIES



Wall-mounted enclosure with provision for front panel control of a rear panel device - screw fixing page 339



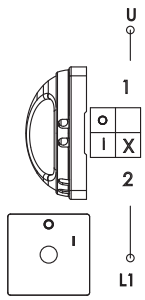
Blind wall-mounted enclosure suitable for fitting a maximum of 2 rear panel devices – screw or ø 22mm hole fixing page 339



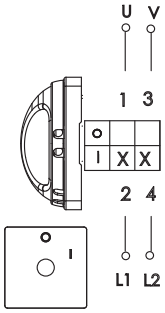
Adaptor for mounting on ø 22mm hole devices for screw fixing page 339

Switches

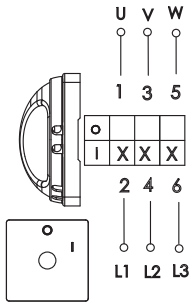
CAM 0 - Single-pole



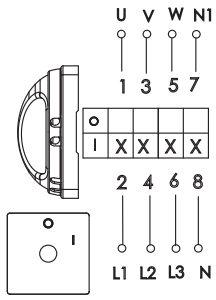
CAM 1 - Two-pole



CAM 2 - Three-pole

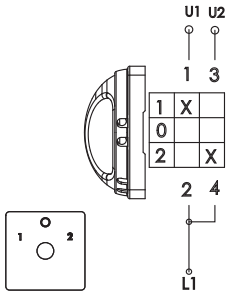


CAM 3 - Four-pole

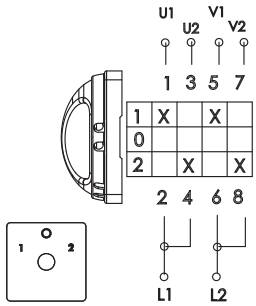


Line selector switches

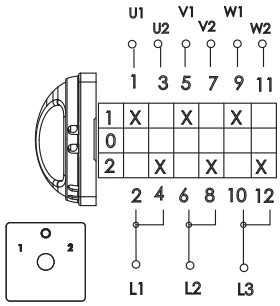
CAM 4 - Single-pole



CAM 5 - Two-pole

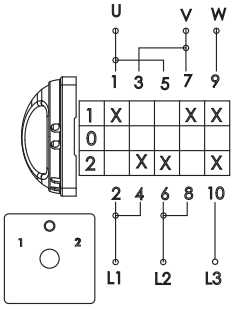


CAM 6 - Three-pole

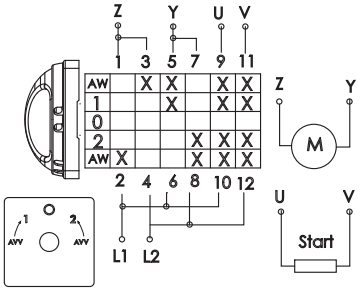


Motor selector switches

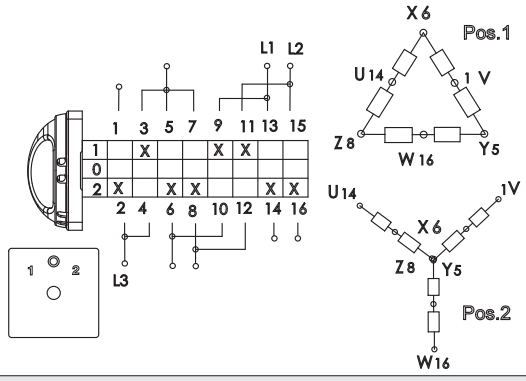
CAM 12 - For three-phase motors



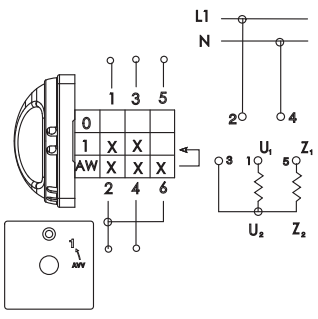
CAM 40 - Two-pole running with auxiliary phase and automatic return



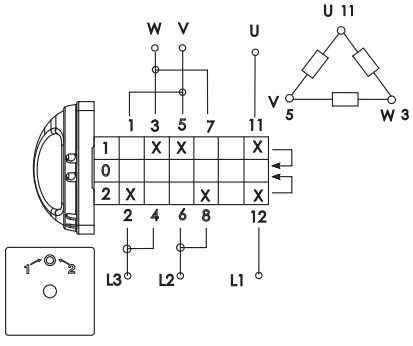
CAM 66 - Dahlander three-pole pole selector switches



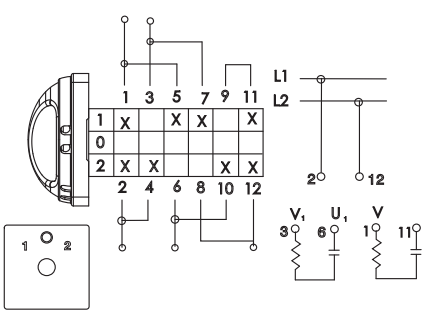
CAM 68 - Two-pole



CAM 67 - Three-pole running with return to 0

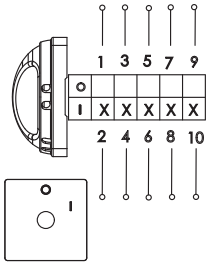


CAM 70 - Two-pole with condenser

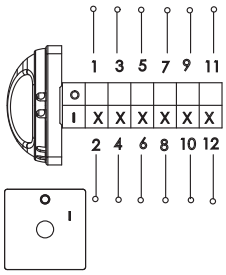


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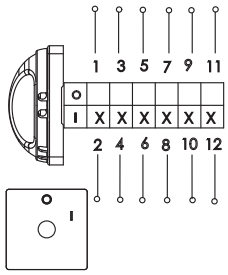
CAM 43 - Five-pole



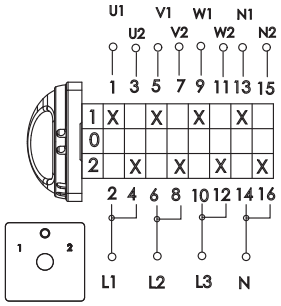
CAM 44 - Six-pole



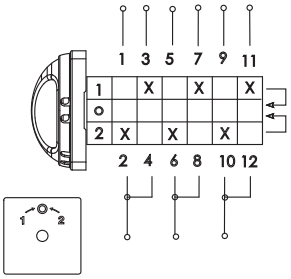
CAM 3.1 - Six-pole



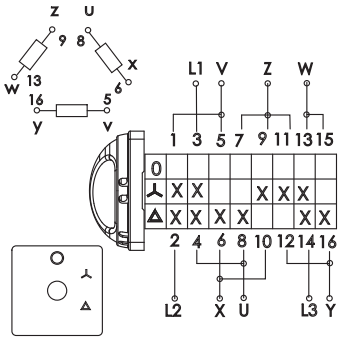
CAM 7 - Four-pole



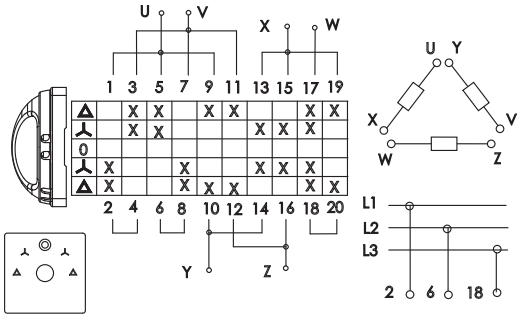
CAM 45 - Three-pole with ret. to 0



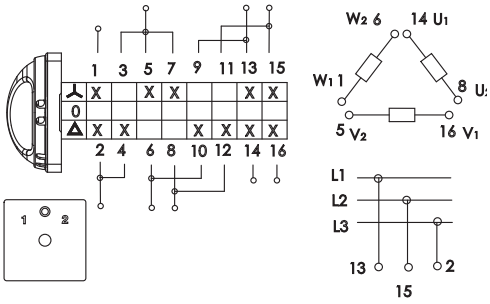
CAM 13 - Star triangle



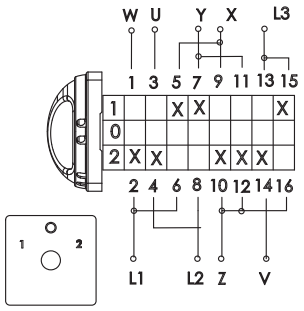
CAM 65 - Star/triangle with run reversing



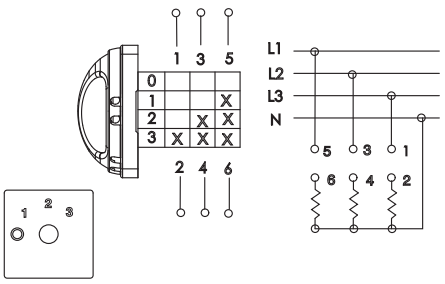
CAM 71 - Star/triangle selector switch



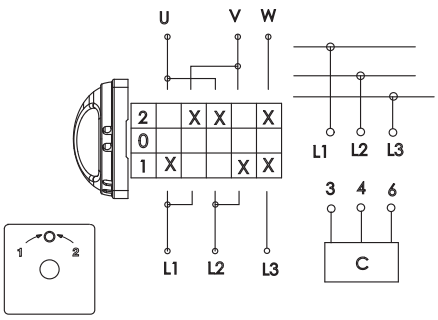
CAM 15 - Di poles (0 central)



CAM 64 - Adder

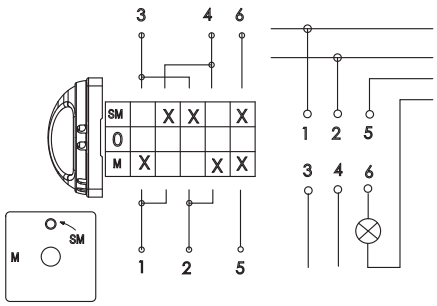


CAM 631 - For three-phase motor with automatic return

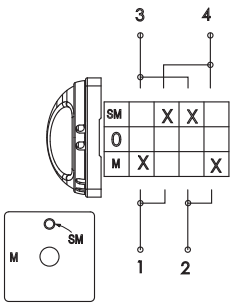


Motor selector switches

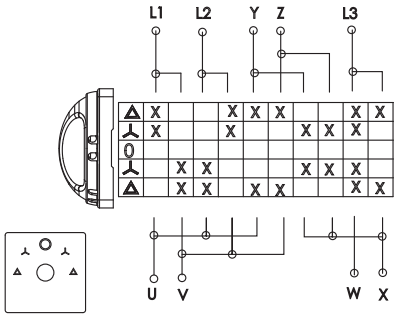
CAM 572 - Polarity reversing switch for magnetic chucks



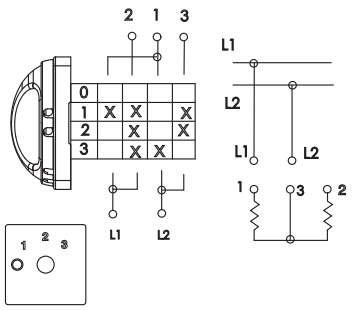
CAM 575 - Polarity reversing switch for magnetic chucks



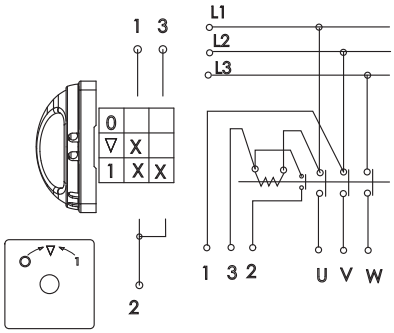
CAM 14 - Star/triangle with run reversing



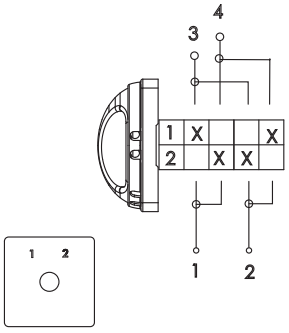
CAM 34 - Two-pole thermal switches



CAM 36 - Button pad handler

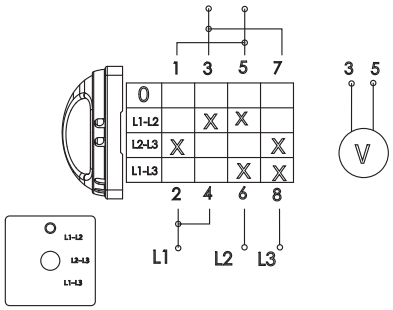


CAM 38 - Sin. pole reversing switch to be inserted between 2 two-way switches

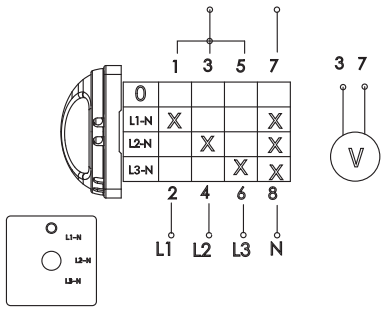


Instrument selector switches

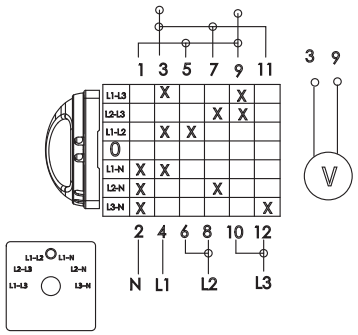
CAM 18 - Voltmetric three concatenated voltages



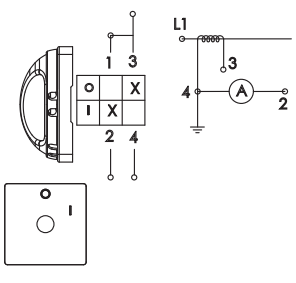
CAM 19 - Voltmetric three phase voltages



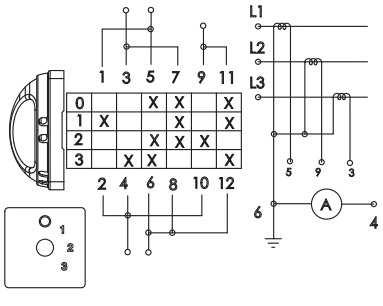
CAM 35 - Voltmetric three concatenated voltages -three of phase



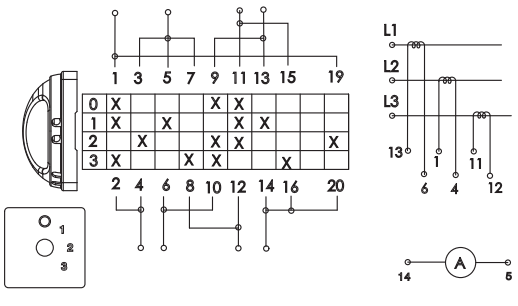
CAM 73 - Amperometric single pole for 1 reduction unit



CAM 75 - Amperometric single pole for 3 reduction units

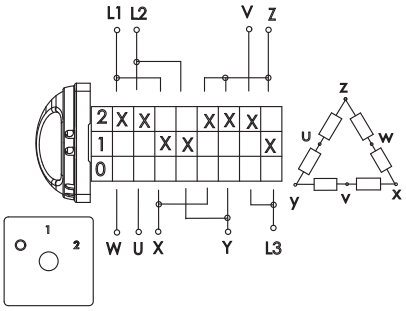


CAM 74 - Amperometric two-pole for 3 reduction units

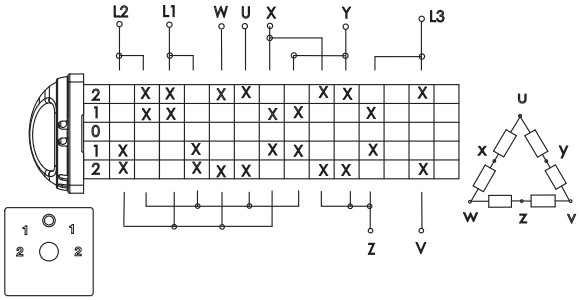


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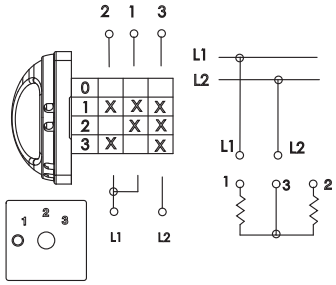
CAM 16 - Dipoles



CAM 17 - Dipoles with run reversing

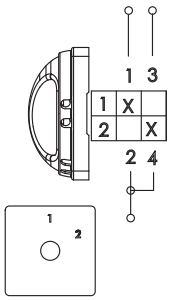


CAM 32 - Two-pole thermal switches

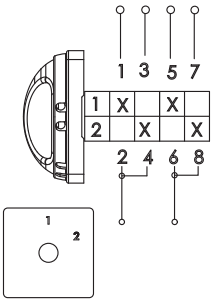


Two-way switches

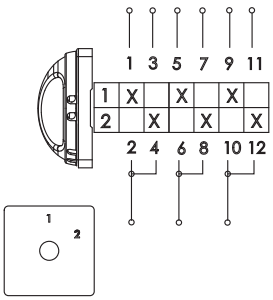
CAM 8 - Single pole



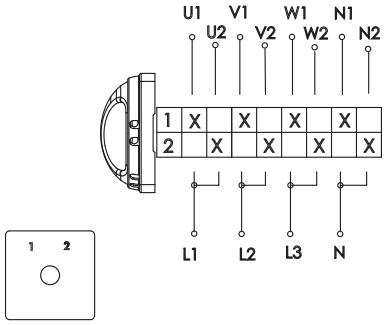
CAM 9 - Two-pole



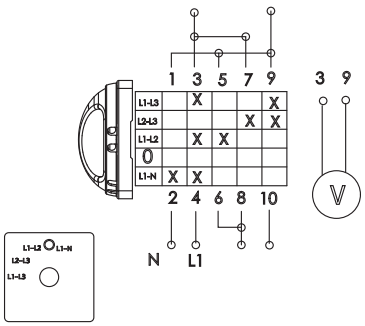
CAM 10 - Three-pole



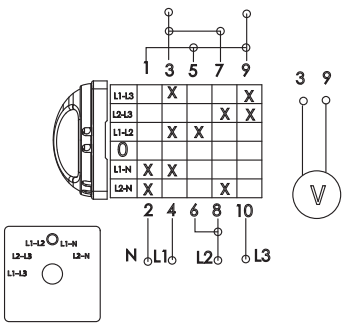
CAM 11 - Four-pole



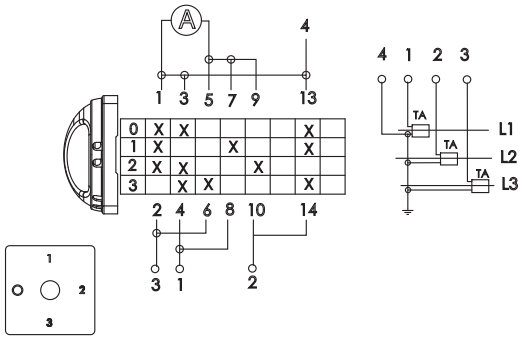
CAM 42 - Voltmetric three concatenated voltages-one of phase



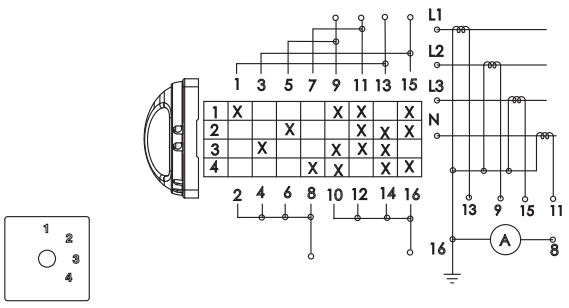
CAM 41 - Voltmetric three concatenated voltages-two of phase



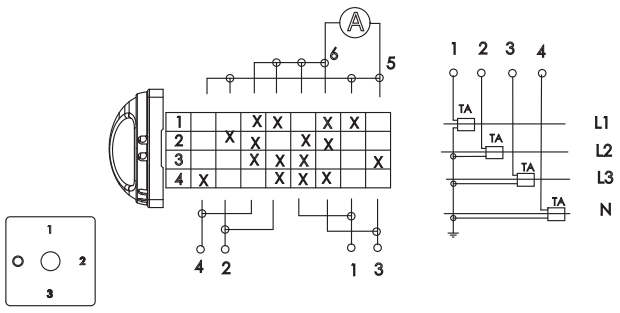
CAM 22 - Amperometric on 3 TA



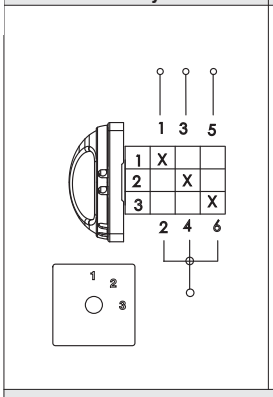
CAM 72 - Amperometric single pole for 4 reduction units



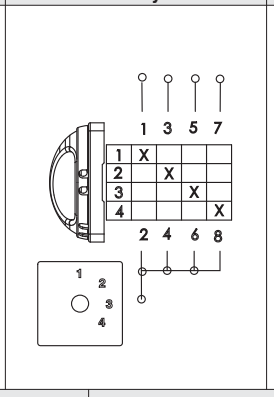
CAM 23 - Amperometric on 3 TA + N



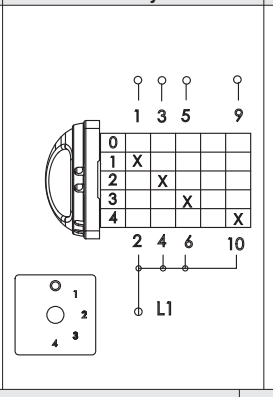
CAM 47 - Single pole 3-way



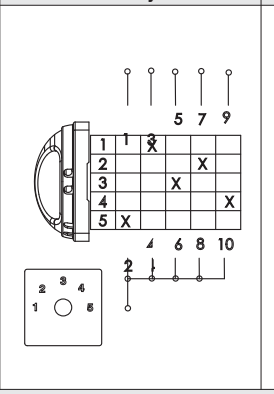
CAM 48 - Single pole 4-way



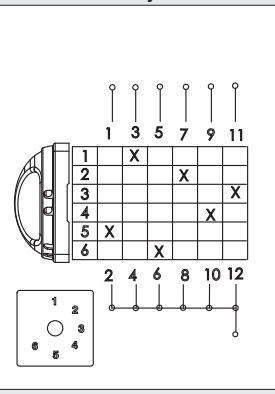
CAM 79 - Single pole 4-way



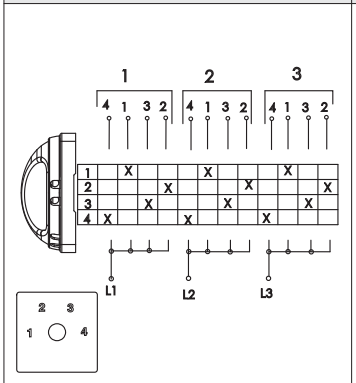
CAM 46 - Single pole 5-way



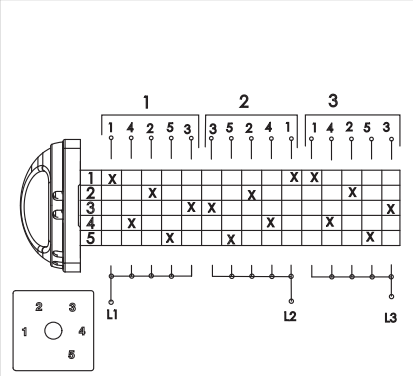
CAM 51 - Single pole 6-way



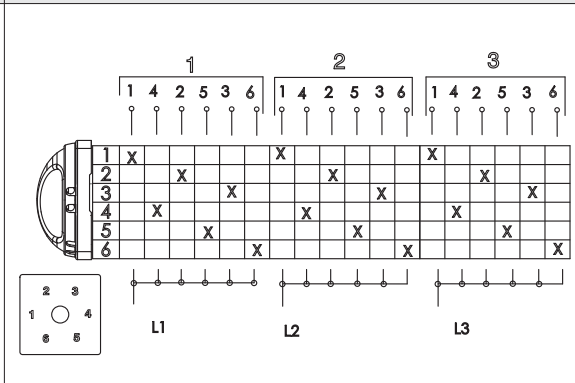
CAM 25 - 1P, 2P, 3P 4-way



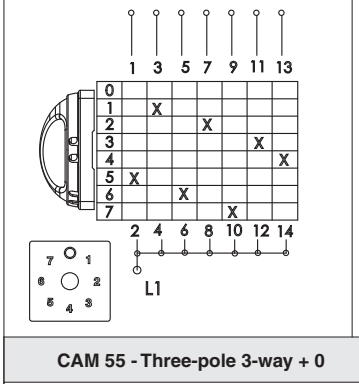
CAM 26 - 1P, 2P, 3P 5-way



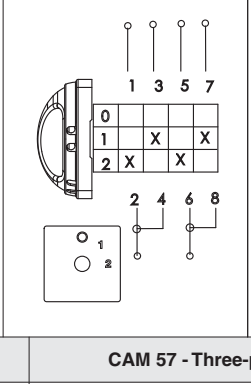
CAM 27 - 1P, 2P, 3P 6-way



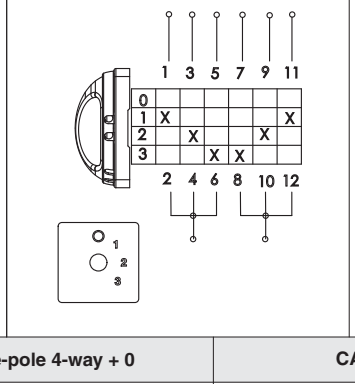
CAM 63 - Single pole 7-way + 0



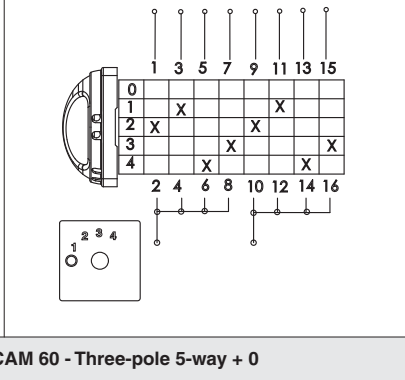
CAM 52 - Two-pole 2-way + 0



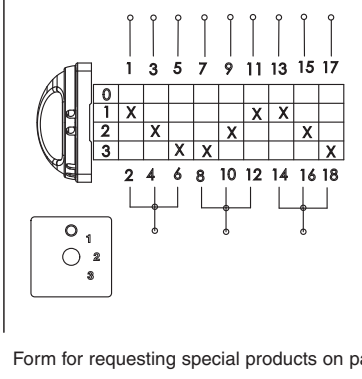
CAM 54 - Two-pole 3-way + 0



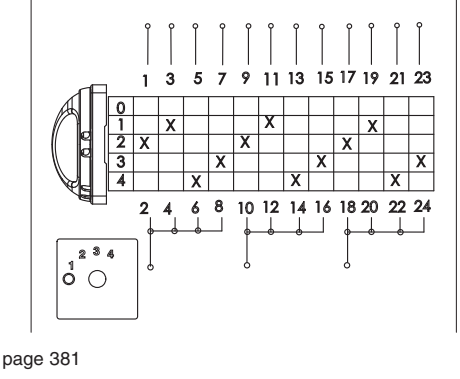
CAM 56 - Two-pole 4-way + 0



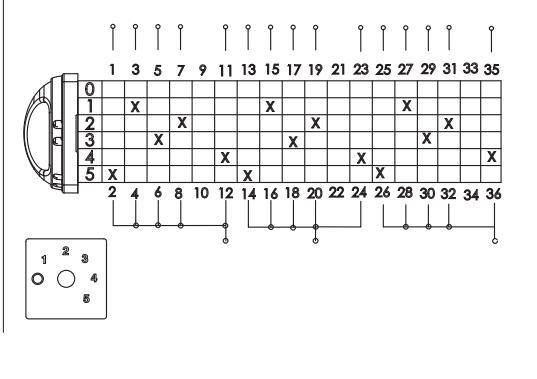
CAM 55 - Three-pole 3-way + 0



CAM 57 - Three-pole 4-way + 0

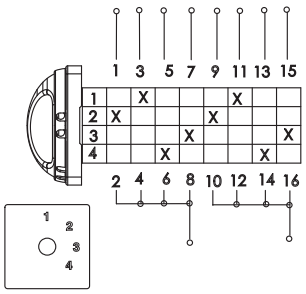


CAM 60 - Three-pole 5-way + 0

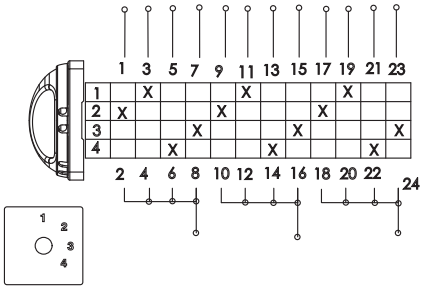


Form for requesting special products on page 381

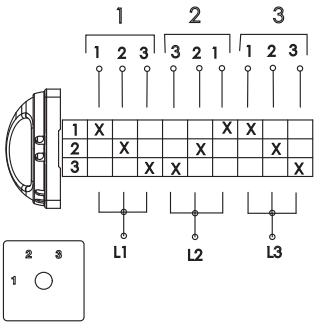
CAM 49 - Two-pole 4-way



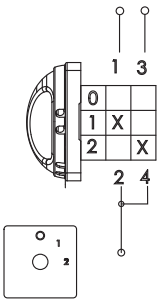
CAM 50 - Three-pole 4-way



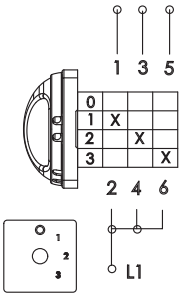
CAM 24 - 1P, 2P, 3P 3-way



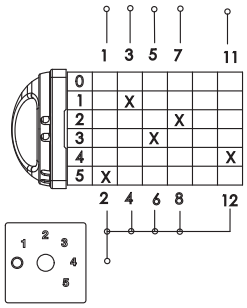
CAM 39 - Single-pole 2-way + 0



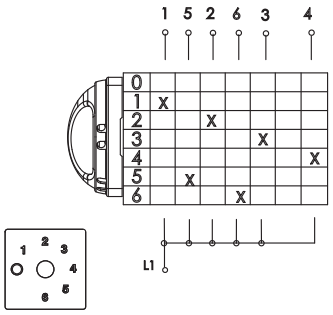
CAM 78 - Single-pole 3-way + 0



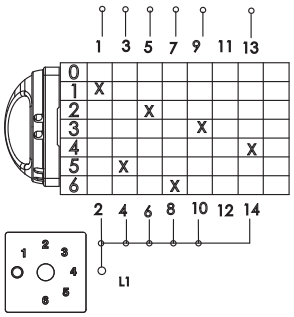
CAM 58 - Single -pole 5-way + 0



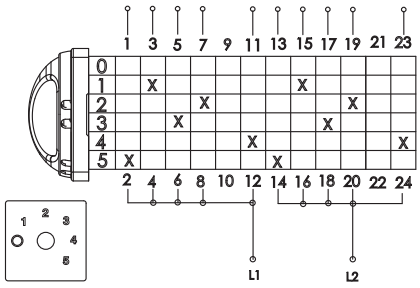
CAM 31 - Single -pole 6-way + 0



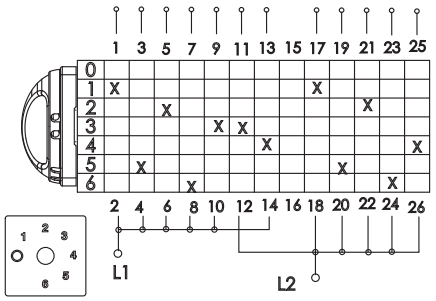
CAM 61 - Single -pole 6-way + 0



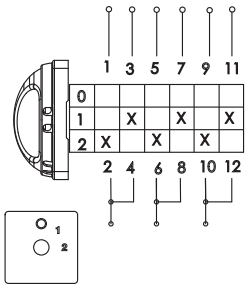
CAM 59 - Two-pole 5-way + 0



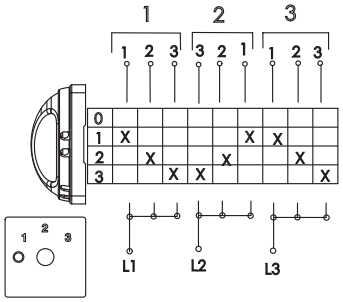
CAM 62 - Two-pole 6-way + 0



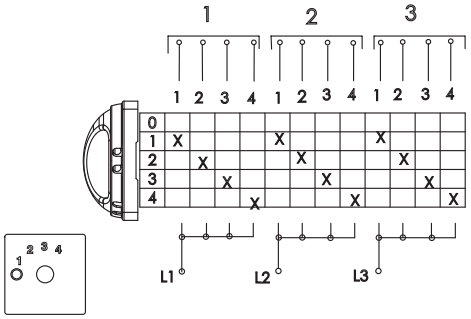
CAM 53 - Three-pole 2-way + 0



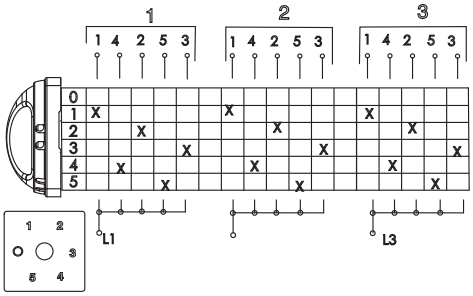
CAM 28 - 1P, 2P, 3P 3-way + 0



CAM 29 - 1P, 2P, 3P 4-way + 0



CAM 30 - 1P, 2P, 3P 5-way + 0





CAM-ST series

It is recognisable

Rotary control devices for standard applications

Italian design award

TECHNIQUE

The CAM-ST series rotary devices comply with European harmonised standards CEI EN 60947-3, concerning sectioning and operation devices, and with CEI EN 60947-5-1 concerning electromechanical control devices. The cam use, optimised in its electrical, dielectric and mechanical features, allows performances suitable for the heaviest duty use categories, such as AC23 for direct motor operation or other highly inductive loads and AC 15 for very heavy electromagnetic loads control. The front panel features, compared to the active parts and the internal sections of the panel, the IP 65 protection rating, ideal for positioning in dusty environments exposed to weather conditions and water jets. Other than the high protection rate, what is added is the enclosure resistance characteristics to weather and any item outside and inside the devices. The contact holding disk is made of totally self-extinguishing technopolymers, with the Glow-Wire Test at 960°C (UL94 – V0) and resistance to creeping currents higher than 600V. A CAM-ST feature is the front-plate that can be customised, which distinguishes the application.

Trademarks, symbols, awards

c UL US LISTED

THE ADVANTAGES



EXTREMELY QUICK TO ASSEMBLE

The rear panel version with fixture on a hole measuring 22 mm in diameter with a single hole on the panel and snap fitting of all the elements of the control device makes assembly very fast.



WORKS BETTER AND IS RECOGNISABLE

The totally transparent front-plate shows all the positions to which the knob can be turned to the user's advantage for greater awareness of the electrical manoeuvres and to avoid errors. Owing to the lens effect (the only one on the market), the symbol of the selected position is enlarged and is therefore perfectly identifiable and readable.



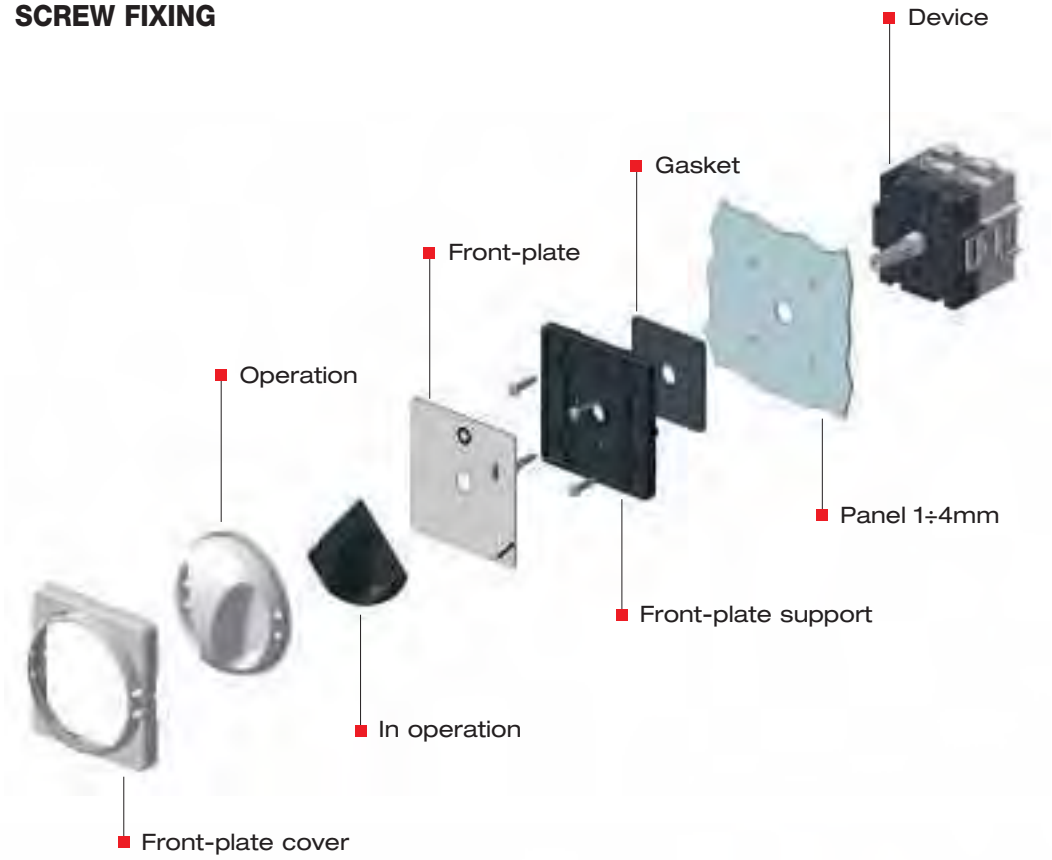
TOTAL SAFETY

The switch control can be padlocked preventing unauthorised persons from operating it incorrectly. This is extremely useful for maintenance work.

CAM-ST MULTI-LAYOUT CAM SWITCHES
TECHNICAL SPECIFICATIONS

CAM-ST compact switch			CAM-SZ 12	CAM-ST 16	CAM-ST 20	CAM-ST 25	CAM-ST 32	CAM-ST 40	CAM-ST 63
Rated insulation voltage Ui		V	690	690	690	690	690	690	690
Rated impulse seal voltage Uimp		kV	4	4	4	4	4	4	4
Rated making capacity Icm		A	1500	1500	1500	1500	320	400	630
Rated breaking capacity		A	96	128	160	200	256	320	504
Protection against short-circuits									
Rated short time current (1 sec.) Icw		A	480	480	480	480	480	600	950
Conditional short-circuit current		kA	10	10	10	10	10	10	15
Max current of protection fuses (gl or aM)		A	12	16	20	25	32	40	63
Thermal and uninterrupted rated current Ith = Iu		A	12	16	20	25	32	40	63
Rated operating current Ie									
AC21A	400V	A	15	18	23	28	38	45	63
	500V	A	12	16	20	25	32	40	63
	690V	A	12	16	20	25	32	40	63
AC22A	400V	A	15	18	23	28	38	45	63
	500V	A	12	16	20	25	32	40	63
	690V	A	12	16	20	25	32	40	63
AC23A	230V	A	10	14	18	20	38	45	36
3F	400V	A	10	14	18	20	32	40	36
	600V	A	6	10	12	16	32	40	36
AC23A	230V	kW	3,5	4,5	5,5	6,5	6,5	8,0	12,0
3F	400V	kW	5,5	8,0	10,0	11,0	10,5	13,0	22,0
	600V	kW	4,5	7,5	9,0	11,0	19,0	24,0	32,0
AC3	**230V**	**kW**	**2,5**	**4,0**	**5,5**	**6,0**	**6,5**	**8,0**	**12,0**
3F	**400V**	**kW**	**4,5**	**6,5**	**8,0**	**10,0**	**10,5**	**13,0**	**22,0**
	600V	**kW**	**5,0**	**8,0**	**10,0**	**13,0**	**19,0**	**24,0**	**32,0**
AC4	400V	kW	1,2	1,7	2,2	2,5	3,0	5,5	7,5
Mechanical duration		N. oper.	10^6	10^6	10^6	10^6	10^6	10^6	10^6
Frequency of the operations at rated current		oper. /hour	120	120	120	120	120	120	120
Rigid wire section		(mm^2)	1,5 - 6	1,5 - 6	1,5 - 6	1,5 - 6	2,5 - 16	2,5 - 16	2,5 - 16
FLEXIBLE CABLE SECTION		(mm^2)	1,5 - 6	1,5 - 6	1,5 - 6	1,5 - 6	2,5 - 16	2,5 - 16	2,5 - 16
Tightening torque		No	1,5	1,5	1,5	1,5	3	3	3
UL ratings									
1 PH	120V	HP	0,5	0,75	1	1	-	-	-
	240V	HP	1	1,5	2	3	-	-	-
3 PH	240V	HP	2	3	5	5	-	-	-
	480V	HP	5	7,5	10	15	-	-	-
	600V	HP	7,5	10	10	15	-	-	-

CAM-ST REAR PANEL 12÷63A SCREW FIXING



CAM-ST REAR PANEL CONTROL DEVICES 12÷25A Ø22MM SCREW FIXING



CAM-ST series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60947-3 CEI EN 60529	IEC 60947-3 IEC 60529
Operation category:	see table on page. 323	
Protection rating:	IP65 finishes	IP20 cores
Impact resistance:	> IK 08	
Glow wire test:	960°C	
Self-Extinguishing:	V0	
Temperature resistance:	Operating: Storage:	-25°C - +60°C -40°C - +80°C
Homologations:	CE, UL, CSA, IMQ, R.I.Na RoHS compliant	

Switches



CAM-ST series
Switches with black **knob** and grey **plate**. Rear panel finish **48x48**. Front panel IP65 Terminals IP20



Rated current (A)	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	1	1	0	**210121**	1
	2	1	1	**210122**	1
	3	2	2	**210123**	1
	4	2	3	**210124**	1
	5	3	43	**210125**	1
	6	3	44	**210126**	1
16	1	1	0	**210161**	1
	2	1	1	**210162**	1
	3	2	2	**210163**	1
	4	2	3	**210164**	1
	5	3	43	**210165**	1
	6	3	44	**210166**	1
20	1	1	0	**210201**	1
	2	1	1	**210202**	1
	3	2	2	**210203**	1
	4	2	3	**210204**	1
	5	3	43	**210205**	1
	6	3	44	**210206**	1
25	1	1	0	**210251**	1
	2	1	1	**210252**	1
	3	2	2	**210253**	1
	4	2	3	**210254**	1
	5	3	43	**210255**	1
	6	3	44	**210256**	1

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Switches



CAM-ST series
Switches with black **knob** and grey **plate**. Rear panel finish **67x67**. Front panel IP65 Terminals IP20



Rated current (A)	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	1	1	0	**211121**	1
	2	1	1	**211122**	1
	3	2	2	**211123**	1
	4	2	3	**211124**	1
	5	3	43	**211125**	1
	6	3	44	**211126**	1
16	1	1	0	**211161**	1
	2	1	1	**211162**	1
	3	2	2	**211163**	1
	4	2	3	**211164**	1
	5	3	43	**211165**	1
	6	3	44	**211166**	1
20	1	1	0	**211201**	1
	2	1	1	**211202**	1
	3	2	2	**211203**	1
	4	2	3	**211204**	1
	5	3	43	**211205**	1
	6	3	44	**211206**	1
25	1	1	0	**211251**	1
	2	1	1	**211252**	1
	3	2	2	**211253**	1
	4	2	3	**211254**	1
	5	3	43	**211255**	1
	6	3	44	**211256**	1
32	1	1	0	**212321**	1
	2	1	1	**212322**	1
	3	2	2	**212323**	1
	4	2	3	**212324**	1
40	1	1	0	**212401**	1
	2	1	1	**212402**	1
	3	2	2	**212403**	1
	4	2	3	**212404**	1
63	1	1	0	**212631**	1
	2	1	1	**212632**	1
	3	2	2	**212633**	1
	4	2	3	**212634**	1

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Switches



CAM-ST series
Switches
red **knob** and yellow **plate** rear panel finish **67x67**
front panel IP65
terminals IP20
lockable in 0



Rated current (A)	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	3	2	2	**214123**	1
	4	2	3	**214124**	1
16	3	2	2	**214163**	1
	4	2	3	**214164**	1
20	3	2	2	**214203**	1
	4	2	3	**214204**	1
25	3	2	2	**214253**	1
	4	2	3	**214254**	1
32	3	2	2	**214323**	1
	4	2	3	**214324**	1
40	3	2	2	**214403**	1
	4	2	3	**214404**	1
63	3	2	2	**214633**	1
	4	2	3	**214634**	1

Complementary items:
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Line selector switches



CAM-ST series
Line selector switches self-return to 0
black **knob** and **grey** rear panel finish front panel IP65
terminals IP20



Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
16	48x48	3	3	45	**360163**	1
25	48x48	3	3	45	**360253**	1
16	67x67	3	3	45	**361163**	1
25	67x67	3	3	45	**361253**	1

Complementary items:
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Line selector switches



CAM-ST series
Line selector switches
black **knob** and **grey** rear panel finish front panel IP65
terminals IP20



Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	1	4	**215121**	1
	48x48	2	2	5	**215122**	1
	48x48	3	3	6	**215123**	1
	48x48	4	4	7	**215124**	1
16	48x48	1	1	4	**215161**	1
	48x48	2	2	5	**215162**	1
	48x48	3	3	6	**215163**	1
	48x48	4	4	7	**215164**	1
20	48x48	1	1	4	**215201**	1
	48x48	2	2	5	**215202**	1
	48x48	3	3	6	**215203**	1
	48x48	4	4	7	**215204**	1
25	48x48	1	1	4	**215251**	1
	48x48	2	2	5	**215252**	1
	48x48	3	3	6	**215253**	1
	48x48	4	4	7	**215254**	1
12	67x67	1	1	4	**216121**	1
	67x67	2	2	5	**216122**	1
	67x67	3	3	6	**216123**	1
	67x67	4	4	7	**216124**	1
16	67x67	1	1	4	**216161**	1
	67x67	2	2	5	**216162**	1
	67x67	3	3	6	**216163**	1
	67x67	4	4	7	**216164**	1
20	67x67	1	1	4	**216201**	1
	67x67	2	2	5	**216202**	1
	67x67	3	3	6	**216203**	1
	67x67	4	4	7	**216204**	1
25	67x67	1	1	4	**216251**	1
	67x67	2	2	5	**216252**	1
	67x67	3	3	6	**216253**	1
	67x67	4	4	7	**216254**	1
32	67x67	1	1	4	**217321**	1
	67x67	2	2	5	**217322**	1
	67x67	3	3	6	**217323**	1
	67x67	4	4	7	**217324**	1
40	67x67	1	1	4	**217401**	1
	67x67	2	2	5	**217402**	1
	67x67	3	3	6	**217403**	1
	67x67	4	4	7	**217404**	1
63	67x67	1	1	4	**217631**	1
	67x67	2	2	5	**217632**	1
	67x67	3	3	6	**217633**	1
	67x67	4	4	7	**217634**	1

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Two-Way switches



CAM-ST series
Two-Way switches
black **knob** and **grey** rear panel
finish front panel IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	1	8	**236121**	1
	48x48	2	2	9	**236122**	1
	48x48	3	3	10	**236123**	1
16	48x48	1	1	8	**236161**	1
	48x48	2	2	9	**236162**	1
	48x48	3	3	10	**236163**	1
20	48x48	1	1	8	**236201**	1
	48x48	2	2	9	**236202**	1
	48x48	3	3	10	**236203**	1
25	48x48	1	1	8	**236251**	1
	48x48	2	2	9	**236252**	1
	48x48	3	3	10	**236253**	1
12	67x67	1	1	8	**237121**	1
	67x67	2	2	9	**237122**	1
	67x67	3	3	10	**237123**	1
16	67x67	1	1	8	**237161**	1
	67x67	2	2	9	**237162**	1
	67x67	3	3	10	**237163**	1
20	67x67	1	1	8	**237201**	1
	67x67	2	2	9	**237202**	1
	67x67	3	3	10	**237203**	1
25	67x67	1	1	8	**237251**	1
	67x67	2	2	9	**237252**	1
	67x67	3	3	10	**237253**	1

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Motor selector switches



CAM-ST series
Three-pole reversing switches
black **knob** and **grey** rear panel
finish front panel IP65
terminals IP20



Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	3	12	**221123**	1
16	48x48	3	3	12	**221163**	1
20	48x48	3	3	12	**221203**	1
25	48x48	3	3	12	**221253**	1
12	67x67	3	3	12	**222123**	1
16	67x67	3	3	12	**222163**	1
20	67x67	3	3	12	**222203**	1
25	67x67	3	3	12	**222253**	1
32	67x67	3	3	12	**223323**	1
40	67x67	3	3	12	**223403**	1
63	67x67	3	3	12	**223633**	1

Complementary items:
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Motor selector switches



CAM-ST series
Single-phase reversing switches
Auxiliary phase
Automatic return
black **knob** and **grey** rear panel
finish front panel IP65
terminals IP20



Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	3	40	**224122**	1
16	48x48	2	3	40	**224162**	1
20	48x48	2	3	40	**224202**	1
25	48x48	2	3	40	**224252**	1
12	67x67	2	3	40	**225123**	1
16	67x67	2	3	40	**225163**	1
20	67x67	2	3	40	**225202**	1
25	67x67	2	3	40	**225252**	1

Complementary items:
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CAM-ST series
Dahlander pole selector switches black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	4	66	**381123**	1
16	48x48	3	4	66	**381163**	1
20	48x48	3	4	66	**381203**	1
25	48x48	3	4	66	**381253**	1
12	67x67	3	4	66	**382123**	1
16	67x67	3	4	66	**382163**	1
20	67x67	3	4	66	**382203**	1
25	67x67	3	4	66	**382253**	1

Complementary items:
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hole mounting adaptor page 339

Motor selector switches



CAM-ST series
Star/triangle starters
black knob **and** grey rear **front** panel
finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	4	13	**218123**	1
16	48x48	3	4	13	**218163**	1
20	48x48	3	4	13	**218203**	1
25	48x48	3	4	13	**218253**	1
12	67x67	3	4	13	**219123**	1
16	67x67	3	4	13	**219163**	1
20	67x67	3	4	13	**219203**	1
25	67x67	3	4	13	**219253**	1
32	67x67	3	4	13	**220323**	1
40	67x67	3	4	13	**220403**	1
63	67x67	3	4	13	**220633**	1

Complementary items:
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CAM-ST series
Star/triangle starters
Inversion
black knob **and** grey rear **front** panel
finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	5	65	**377123**	1
16	48x48	3	5	65	**377163**	1
20	48x48	3	5	65	**377203**	1
25	48x48	3	5	65	**377253**	1
12	67x67	3	5	65	**378123**	1
16	67x67	3	5	65	**378163**	1
20	67x67	3	5	65	**378203**	1
25	67x67	3	5	65	**378253**	1

Complementary items:
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Motor selector switches



CAM-ST series
Star-0-triangle starters
black knob **and** grey rear **front**
panel finish IP65
terminals IP20



Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	4	71	**379123**	1
16	48x48	3	4	71	**379163**	1
20	48x48	3	4	71	**379203**	1
25	48x48	3	4	71	**379253**	1
12	67x67	3	4	71	**380123**	1
16	67x67	3	4	71	**380163**	1
20	67x67	3	4	71	**380203**	1
25	67x67	3	4	71	**380253**	1

Complementary items:
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CAM-ST series
Switch for single-phase motor
Auxiliary phase
black knob **and** grey rear **front**
panel finish IP65
terminals IP20



Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	2	68	**385122**	1
16	48x48	2	2	68	**385162**	1
20	48x48	2	2	68	**385202**	1
25	48x48	2	2	68	**385252**	1
12	67x67	2	2	68	**386122**	1
16	67x67	2	2	68	**386162**	1
20	67x67	2	2	68	**386202**	1
25	67x67	2	2	68	**386252**	1

Complementary items:
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Motor selector switches



CAM-ST series
Reversing switch
Self-return to 0
black knob **and** grey rear **front**
panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	3	67	**383123**	1
16	48x48	3	3	67	**383163**	1
20	48x48	3	3	67	**383203**	1
25	48x48	3	3	67	**383253**	1
12	67x67	3	3	67	**384123**	1
16	67x67	3	3	67	**384163**	1
20	67x67	3	3	67	**384203**	1
25	67x67	3	3	67	**384253**	1

Complementary items:
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CAM-ST series
Two-pole reversing switch
Condenser
black knob **and** grey rear **front**
panel finish IP65
terminals IP20



Rated current (A)	Finish	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	3	70	**387122**	1
16	48x48	2	3	70	**387162**	1
20	48x48	2	3	70	**387202**	1
25	48x48	2	3	70	**387252**	1
12	67x67	2	3	70	**388122**	1
16	67x67	2	3	70	**388162**	1
20	67x67	2	3	70	**388202**	1
25	67x67	2	3	70	**388252**	1

Complementary items:
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Motor selector switches



CAM-ST series
Pole changing switch
black knob **and** grey rear **front**
panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	4	15	**226123**	1
16	48x48	3	4	15	**226163**	1
20	48x48	3	4	15	**226203**	1
25	48x48	3	4	15	**226253**	1
12	67x67	3	4	15	**227123**	1
16	67x67	3	4	15	**227163**	1
20	67x67	3	4	15	**227203**	1
25	67x67	3	4	15	**227253**	1
32	67x67	3	4	15	**228323**	1
40	67x67	3	4	15	**228403**	1
63	67x67	3	4	15	**228633**	1

Complementary items:
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Instrument selector switches



CAM-ST series
Voltmeter selector switches
3 line voltages
black knob **and** grey **rear** front
panel **48x48**
finish IP65
terminals IP20



Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	18	**229120**	1
16	18	**229160**	1
25	18	**229250**	1

Complementary items:
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CAM-ST series
Voltmeter selector switches
Neutral-phase voltages
black knob **and** grey **rear** front
panel **48x48**
finish IP65
terminals IP20



Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	19	**230120**	1
16	19	**230160**	1
25	19	**230250**	1

Complementary items:
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Instrument selector switches



CAM-ST series
Voltmeter selector switches
3 line voltages +2 phase voltages
black knob **and** grey **rear** front
panel **48x48**
finish IP65
terminals IP20



Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	41	**231120**	1
16	41	**231160**	1

Complementary items:
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Instrument selector switches



CAM-ST series
Voltmeter selector switches
3 line voltages +1 phase voltages
black knob **and** grey **rear** front
panel **48x48**
finish IP65
terminals IP20



Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	42	**234120**	1
16	42	**234160**	1
25	42	**234250**	1

Complementary items:
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CAM-ST series
Voltmeter selector switches
3 line voltages + 3 phase voltages
black knob **and** grey **rear** front
panel **48x48**
finish IP65
terminals IP20



Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	35	**233120**	1
16	35	**233160**	1
25	35	**233250**	1

Complementary items:
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CAM-ST series
Ammeter selector switches
Single-pole for 3 reduction units
black knob **and** grey **rear** front
panel **48x48**
finish IP65
terminals IP20



Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	75	**235120**	1
16	75	**235160**	1
20	75	**235200**	1
25	75	**235250**	1

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Instrument selector switches



CAM-ST series
Ammeter selector switches
Two-poles
black knob **and** grey **rear** front panel **48x48**
finish IP65
terminals IP20



Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	74	**390120**	1
16	74	**390160**	1
20	74	**390200**	1
25	74	**390250**	1

Complementary items:
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hole mounting adaptor page 339



CAM-ST series
Ammeter selector switches
Single-pole for 1 reduction unit
black knob **and** grey **rear** front panel **48x48**
finish IP65
terminals IP20



Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	73	**391120**	1
16	73	**391160**	1
20	73	**391200**	1
25	73	**391250**	1

Complementary items:
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Instrument selector switches



CAM-ST series
Ammeter selector switches
Single-pole for 4 reduction unit
black knob **and** grey **rear** front panel **48x48**
finish IP65
terminals IP20



Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
12	72	**392120**	1
16	72	**392160**	1
20	72	**392200**	1
25	72	**392250**	1

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Adder selector switches



CAM-ST series
Adders
black knob **and** grey **rear** front panel **48x48**
finish IP65
terminals IP20



Rated current (A)	Scheme CAM	Palazzoli code	Pack Q.ty
16	64	**376161**	1
25	64	**376251**	1

Complementary items:
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CAM-ST series
Single-pole 3-way selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	2	47	**362121**	1
16	48x48	1	2	47	**362161**	1
20	48x48	1	2	47	**362201**	1
25	48x48	1	2	47	**362251**	1
12	67x67	1	2	47	**363121**	1
16	67x67	1	2	47	**363161**	1
20	67x67	1	2	47	**363201**	1
25	67x67	1	2	47	**363251**	1

Complementary items:
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Adder selector switches



CAM-ST series
Single-pole 4-way selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	2	48	**364121**	1
16	48x48	1	2	48	**364161**	1
20	48x48	1	2	48	**364201**	1
25	48x48	1	2	48	**364251**	1
12	67x67	1	2	48	**365121**	1
16	67x67	1	2	48	**365161**	1
20	67x67	1	2	48	**365201**	1
25	67x67	1	2	48	**365251**	1

Complementary items:
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CAM-ST series
Two-pole 4-way selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	4	49	**364122**	1
16	48x48	2	4	49	**364162**	1
20	48x48	2	4	49	**364202**	1
25	48x48	2	4	49	**364252**	1
12	67x67	2	4	49	**365122**	1
16	67x67	2	4	49	**365162**	1
20	67x67	2	4	49	**365202**	1
25	67x67	2	4	49	**365252**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339

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Multi-way selector switches



CAM-ST series
Three-pole 4-way selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	6	50	**364123**	1
16	48x48	3	6	50	**364163**	1
20	48x48	3	6	50	**364203**	1
25	48x48	3	6	50	**364253**	1
12	67x67	3	6	50	**365123**	1
16	67x67	3	6	50	**365163**	1
20	67x67	3	6	50	**365203**	1
25	67x67	3	6	50	**365253**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339



CAM-ST series
Single-pole 5-way selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	3	46	**366121**	1
16	48x48	1	3	46	**366161**	1
20	48x48	1	3	46	**366201**	1
25	48x48	1	3	46	**366251**	1
12	67x67	1	3	46	**367121**	1
16	67x67	1	3	46	**367161**	1
20	67x67	1	3	46	**367201**	1
25	67x67	1	3	46	**367251**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339

Multi-way selector switches



CAM-ST series
Single-pole 6-way selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	3	51	**368121**	1
16	48x48	1	3	51	**368161**	1
20	48x48	1	3	51	**368201**	1
25	48x48	1	3	51	**368251**	1
12	67x67	1	3	51	**369121**	1
16	67x67	1	3	51	**369161**	1
20	67x67	1	3	51	**369201**	1
25	67x67	1	3	51	**369251**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339



CAM-ST series
Single-pole 2-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	1	39	**238121**	1
16	48x48	1	1	39	**238161**	1
20	48x48	1	1	39	**238201**	1
25	48x48	1	1	39	**238251**	1
12	67x67	1	1	39	**240121**	1
16	67x67	1	1	39	**240161**	1
20	67x67	1	1	39	**240201**	1
25	67x67	1	1	39	**240251**	1

Complementary items:
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Dimensions page 439

Multi-way selector switches



CAM-ST series
Two-pole 2-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	2	52	**238122**	1
16	48x48	2	2	52	**238162**	1
20	48x48	2	2	52	**238202**	1
25	48x48	2	2	52	**238252**	1
12	67x67	2	2	52	**240122**	1
16	67x67	2	2	52	**240162**	1
20	67x67	2	2	52	**240202**	1
25	67x67	2	2	52	**240252**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339



CAM-ST series
Three-pole 2-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	3	53	**238123**	1
16	48x48	3	3	53	**238163**	1
20	48x48	3	3	53	**238203**	1
25	48x48	3	3	53	**238253**	1
12	67x67	3	3	53	**240123**	1
16	67x67	3	3	53	**240163**	1
20	67x67	3	3	53	**240203**	1
25	67x67	3	3	53	**240253**	1

Complementary items:
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wall-mounting enclosures page 339
hole mounting adaptor page 339

Multi-way selector switches



CAM-ST series
Single-pole 3-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	2	78	**241121**	1
16	48x48	1	2	78	**241161**	1
20	48x48	1	2	78	**241201**	1
25	48x48	1	2	78	**241251**	1
12	67x67	1	2	78	**242121**	1
16	67x67	1	2	78	**242161**	1
20	67x67	1	2	78	**242201**	1
25	67x67	1	2	78	**242251**	1

Complementary items:
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hole mounting adaptor page 339



CAM-ST series
Two-pole 3-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	3	54	**241122**	1
16	48x48	2	3	54	**241162**	1
20	48x48	2	3	54	**241202**	1
25	48x48	2	3	54	**241252**	1
12	67x67	2	3	54	**242122**	1
16	67x67	2	3	54	**242162**	1
20	67x67	2	3	54	**242202**	1
25	67x67	2	3	54	**242252**	1

Complementary items:
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Dimensions page 439

Multi-way selector switches



CAM-ST series
Three-pole 3-way + 0 selector switches
black knob **and** grey rear **front**
panel finish IP65
terminals IP20



Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	5	55	**241123**	1
16	48x48	3	5	55	**241163**	1
20	48x48	3	5	55	**241203**	1
25	48x48	3	5	55	**241253**	1
12	67x67	3	5	55	**242123**	1
16	67x67	3	5	55	**242163**	1
20	67x67	3	5	55	**242203**	1
25	67x67	3	5	55	**242253**	1

Complementary items:
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wall-mounting enclosures page 339
hole mounting adaptor page 339



CAM-ST series
Single-pole 4-way + 0 selector switches
black knob **and** grey rear **front**
panel finish IP65
terminals IP20



Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	3	79	**243121**	1
16	48x48	1	3	79	**243161**	1
20	48x48	1	3	79	**243201**	1
25	48x48	1	3	79	**243251**	1
12	67x67	1	3	79	**244121**	1
16	67x67	1	3	79	**244161**	1
20	67x67	1	3	79	**244201**	1
25	67x67	1	3	79	**244251**	1

Complementary items:
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wall-mounting enclosures page 339
hole mounting adaptor page 339

Multi-way selector switches



CAM-ST series
Two-pole 4-way + 0 selector switches
black knob **and** grey rear **front**
panel finish IP65
terminals IP20



Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	4	56	**243122**	1
16	48x48	2	4	56	**243162**	1
20	48x48	2	4	56	**243202**	1
25	48x48	2	4	56	**243252**	1
12	67x67	2	4	56	**244122**	1
16	67x67	2	4	56	**244162**	1
20	67x67	2	4	56	**244202**	1
25	67x67	2	4	56	**244252**	1

Complementary items:
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wall-mounting enclosures page 339
hole mounting adaptor page 339



CAM-ST series
Three-pole 4-way + 0 selector switches
black knob **and** grey rear **front**
panel finish IP65
terminals IP20



Rated current (A)	Finishings	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	6	57	**243123**	1
16	48x48	3	6	57	**243163**	1
20	48x48	3	6	57	**243203**	1
25	48x48	3	6	57	**243253**	1
12	67x67	3	6	57	**244123**	1
16	67x67	3	6	57	**244163**	1
20	67x67	3	6	57	**244203**	1
25	67x67	3	6	57	**244253**	1

Complementary items:
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Dimensions page 439

Multi-way selector switches



CAM-ST series
Single-pole 5-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	3	58	**370121**	1
16	48x48	1	3	58	**370161**	1
20	48x48	1	3	58	**370201**	1
25	48x48	1	3	58	**370251**	1
12	67x67	1	3	58	**371121**	1
16	67x67	1	3	58	**371161**	1
20	67x67	1	3	58	**371201**	1
25	67x67	1	3	58	**371251**	1

Complementary items:
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wall-mounting enclosures page 339
hole mounting adaptor page 339



CAM-ST series
Two-pole 5-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	5	59	**370122**	1
16	48x48	2	5	59	**370162**	1
20	48x48	2	5	59	**370202**	1
25	48x48	2	5	59	**370252**	1
12	67x67	2	5	59	**371122**	1
16	67x67	2	5	59	**371162**	1
20	67x67	2	5	59	**371202**	1
25	67x67	2	5	59	**371252**	1

Complementary items:
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wall-mounting enclosures page 339
hole mounting adaptor page 339

Multi-way selector switches



CAM-ST series
Three-pole 5-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	3	8	60	**370123**	1
16	48x48	3	8	60	**370163**	1
20	48x48	3	8	60	**370203**	1
25	48x48	3	8	60	**370253**	1
12	67x67	3	8	60	**371123**	1
16	67x67	3	8	60	**371163**	1
20	67x67	3	8	60	**371203**	1
25	67x67	3	8	60	**371253**	1

Complementary items:
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wall-mounting enclosures page 339
hole mounting adaptor page 339



CAM-ST series
Two-pole 6-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	3	61	**372121**	1
16	48x48	1	3	61	**372161**	1
20	48x48	1	3	61	**372201**	1
25	48x48	1	3	61	**372251**	1
12	67x67	1	3	61	**373121**	1
16	67x67	1	3	61	**373161**	1
20	67x67	1	3	61	**373201**	1
25	67x67	1	3	61	**373251**	1

Complementary items:
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Multi-way selector switches



CAM-ST series
Two-pole 6-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	2	6	62	**372122**	1
16	48x48	2	6	62	**372162**	1
20	48x48	2	6	62	**372202**	1
25	48x48	2	6	62	**372252**	1
12	67x67	2	6	62	**373122**	1
16	67x67	2	6	62	**373162**	1
20	67x67	2	6	62	**373202**	1
25	67x67	2	6	62	**373252**	1

Complementary items:
base panel mounting adaptor and DIN rail page 339
wall-mounting enclosures page 339
hole mounting adaptor page 339

Multi-way selector switches



CAM-ST series
Single-pole 7-way + 0 selector switches
black knob **and** grey rear **front** panel finish IP65
terminals IP20



Rated current (A)	Finishes	Poles	No. disks	Scheme CAM	Palazzoli code	Pack Q.ty
12	48x48	1	4	63	**374121**	1
16	48x48	1	4	63	**374161**	1
20	48x48	1	4	63	**374201**	1
25	48x48	1	4	63	**374251**	1
12	67x67	1	4	63	**375121**	1
16	67x67	1	4	63	**375161**	1
20	67x67	1	4	63	**375201**	1
25	67x67	1	4	63	**375251**	1

Complementary items:
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TECHNICAL ACCESSORIES



CAM-ST series
Base panel mounting adaptor and DIN rail page

For control devices type	Palazzoli code	Pack Q.ty
CAM-ST rear panel screw fixing 12-25A	**270236**	1
CAM-ST rear panel screw fixing 32-63A	**270243**	1

Complementary items:
the adaptor is applied after the wiring on the selector switch device.



CAM-ST series
Extension shaft for rear panel devices screw fixing

For control devices type	Lenght (mm)	Manufacture material	Palazzoli code	Pack Q.ty
CAM-ST 12-25A	225	ANTICORODAL	**271225**	1
	350	ANTICORODAL	**271350**	1
	500	ANTICORODAL	**271500**	1
CAM-ST 32-63A	225	ANTICORODAL	**274225**	1
	350	ANTICORODAL	**274350**	1
	500	ANTICORODAL	**274500**	1



CAM-ST series
Wall-mounted enclosure with provision for front panel control of a rear panel device screw fixing
IP65

External dimensions (mm)	Max no. of installable disks	Palazzoli code	Pack Q.ty
121x158x107	6 from 12÷25A 3 from 32÷40A	**270247**	1



CAM-ST series
Blind wall-mounted enclosure suitable for fitting
a maximum of 2 rear panel devices screw or hole fixing
IP65

External dimensions (mm)	Max no. of installable disks	Palazzoli code	Pack Q.ty
121x158x107	6 from 12÷25A 3 from 32÷40A	**270248**	1



CAM-ST series
Adaptor for mounting devices from 12A to 25A with screw fixing on a 22 mm Ø hole

Front-plate dimensions (mm)	Colour	Palazzoli code	Pack Q.ty
48x48	● black	**270237**	1
67x67	● black	**270239**	1
	● yellow ● red	**270240**	1



CAM-SZ Series

Section the System Multiply Safety

Disconnecting control devices and for emergencies

RoHS Compliant

AC3 10kA GUARANTEED

Highly inductive loads

TECHNIQUE

The CAM-SZ is designed and built for the operator who has to section the industrial electrical systems for safety and functional reasons. CAM-SZ ensures the powering down of the entire or partial system, dividing it safely from any electrical power supply. CAM-SZ is category AC23A – AC3 is suitable even for highly inductive loads. It is the only one applicable to cage motors (best known as rotary motors, widely used for Industrial and Automation sysyems) for their start or stop during the rotation. CAM-SZ has IP65 watertight front panel, rated current up to 100A and with maximum operating voltage of Un=690Vca. The contact holding disk is made of totally self-extinguishing technopolymers, with the Glow-Wire Test at 960°C (UL94 – V0) and resistance to creeping currents higher than 600V.

Trademarks, symbols, awards

THE ADVANTAGES



UNBEATABLE

An AC23A – AC3 utilisation category, conditional short circuit current 10,000A and guaranteed isolation are some of the few superbly performing features of the isolator switches.
At the maximum level of what the market offers today. They allow direct control of even highly inductive loads (such as pumps, exhaust fans, mills, compressors, etc.) and eliminate costly machine shutdowns with a subsequent increase in the system's production.



HIGH ELECTRICAL PERFORMANCES

The contacts in silver alloy are double-break. Each “disk” holds two complete contacts with high connecting and disconnecting power.
It does not lose any ampere even years later.



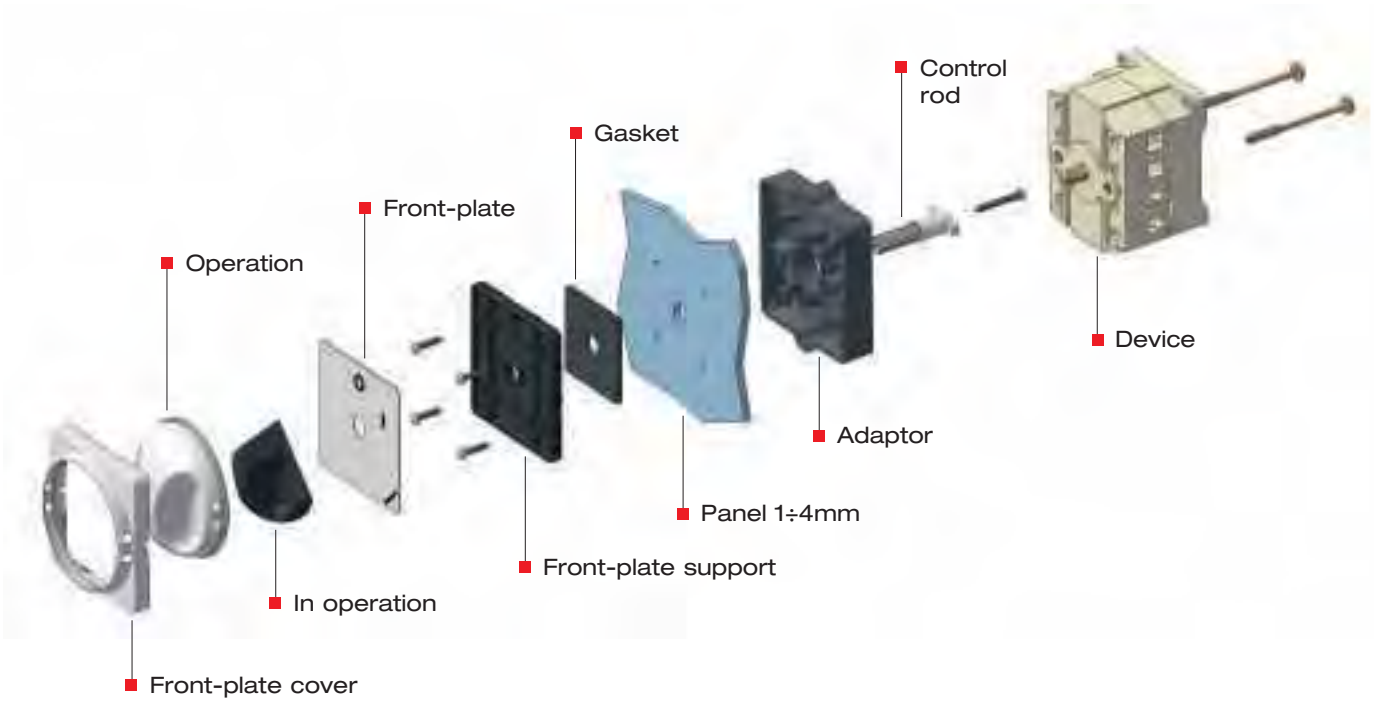
DIVIDES THE SYSTEM AND MULTIPLIES SAFETY

CAM-SZ is suitable for highly inductive loads. It is the only one applicable to cage motors (best known as rotary motors, widely used for Industrial and Automation sysyems) for their start or stop during the rotation.

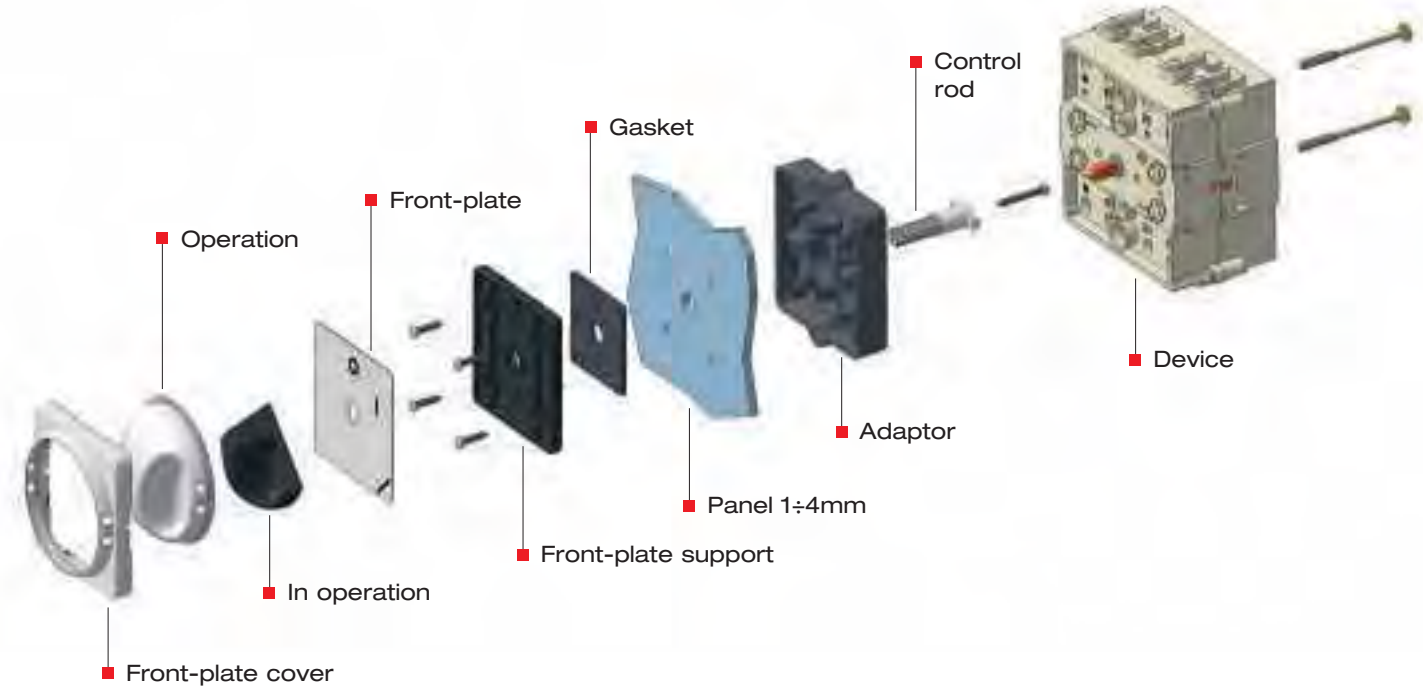
CAM-ST SERIES ISOLATOR SWITCHES
TECHNICAL SPECIFICATIONS

CAM-SZ Isolator-switch			CAM-SZ 16	CAM-SZ 25	CAM-SZ 32	CAM-SZ 40	CAM-SZ 63	CAM-SZ 100
Rated insulation voltage Ui		V	500	500	500	690	690	690
Rated impulse seal voltage Uimp		kV	4	4	4	4	4	4
Rated closing capacity		A	160	250	320	880	1380	2200
Rated breaking capacity		A	125	200	256	690	1100	1750
Protection against short-circuits								
Rated short time current (1 sec.)		A	240	375	480	4800	7500	1200
Conditional short-circuit current		kA	10	10	10	10	10	10
Max current of protection fuses (gl or aM)		A	16	25	32	40	63	100
Thermal and uninterrupted rated current Ith = Iu		A	16	25	32	40	63	100
Rated operating current Ie								
AC20	230V	A	16	25	32	50	80	100
	400V	A	16	25	32	40	63	100
	500V	A	16	25	32	40	63	100
AC21A	230V	A	16	25	32	50	80	100
	400V	A	16	25	32	40	63	100
	500V	A	16	25	32	40	63	100
AC22A	230V	A	16	25	32	50	80	100
	400V	A	16	25	32	40	63	100
	500V	A	16	25	32	40	63	100
AC23A 3F	230V	A	16	25	32	40	50	63
	400V	A	16	25	32	40	50	63
	500V	A	16	25	32	40	50	63
	690V	A	-	-	-	40	50	63
AC23A 3F	230V	kW	4	6,5	8,5	10	12	20
	400V	kW	7,5	11,5	15	16	21	34
	500V	kW	8,5	13	17	18	28	44
	690V	kW	-	-	-	20	32	50
AC3	**3F230V**	**kW**	**4**	**6,5**	**8,5**	**9**	**10**	**16**
	400V	**kW**	**7,5**	**11,5**	**15**	**16**	**17**	**28**
	500V	**kW**	**8,5**	**13**	**17**	**18**	**22**	**36**
	690V	**kW**	**-**	**-**	**-**	**20**	**25**	**40**
AC4	230V	kW	3	4,5	6	-	-	-
	400V	kW	5	7,5	10	-	-	-
	500V	kW	6,5	10	13	-	-	-
Use in direct current								
DC21A	Rated operating current Ie	A	16	25	32	40	63	100
	Max voltage for each pole in series	V	60	60	60	60	60	60
DC21A	Rated operating current Ie	A	16	25	32	32	40	63
	Max voltage for each pole in series	V	48	48	48	60	60	60
DC21A	Rated operating current Ie	A	16	25	32	32	37	40
	Max voltage for each pole in series	V	30	30	30	30	30	30
Mechanical duration		N.oper.	10^6	10^6	10^6	10^6	10^6	10^6
Frequency of the operations at rated current		oper. /hour	120	120	120	120	120	120
Rigid wire section		(mm^2)	1-6	1-6	1-6	10-35	10-35	10-35
Flexible cable section		(mm^2)	1-10	1-10	1-10	10-35	10-35	10-35
Tightening torque		No	2	2	2	3	3	3

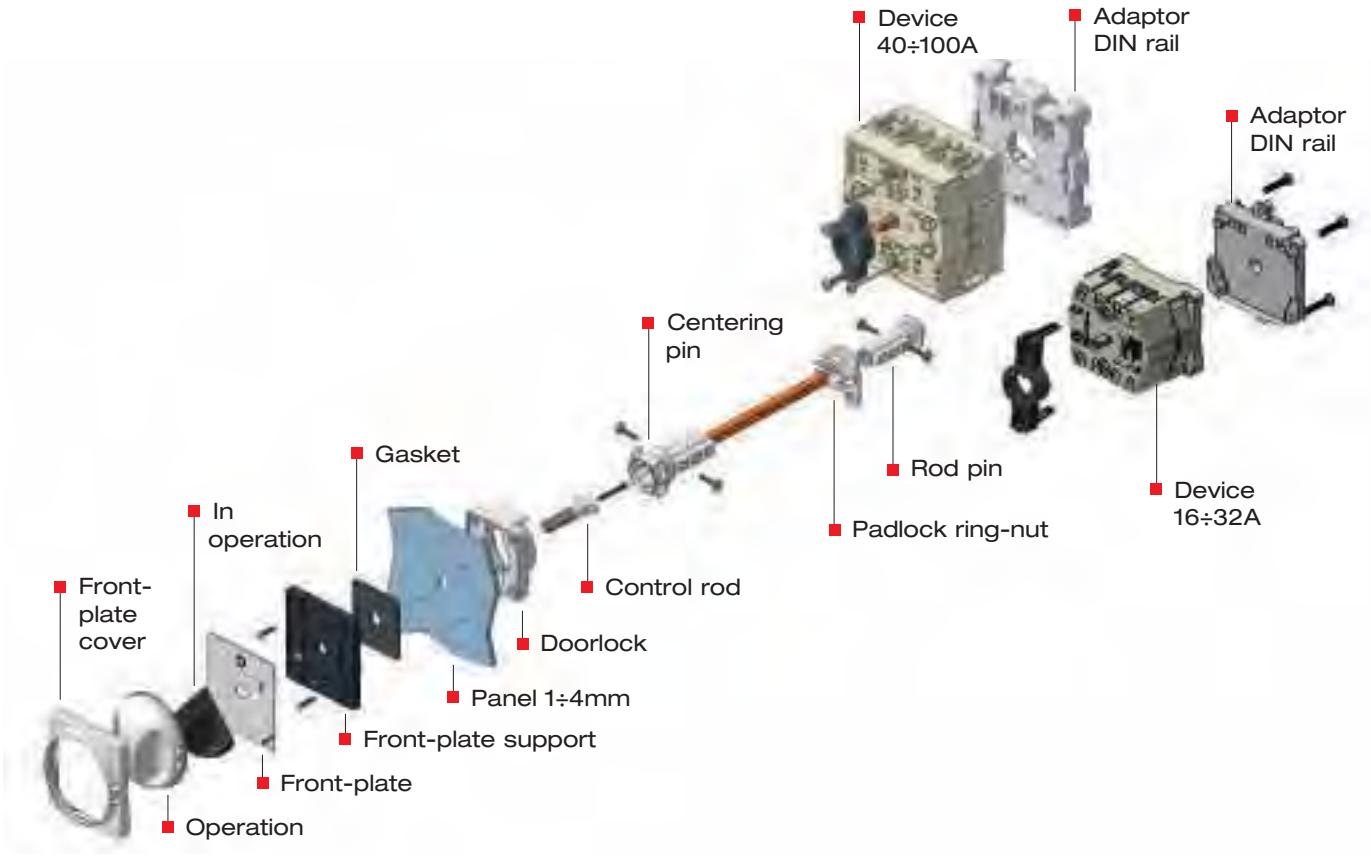
CAM-SZ REAR PANEL ISOLATOR SWITCHES 16÷32A
SCREW FIXING



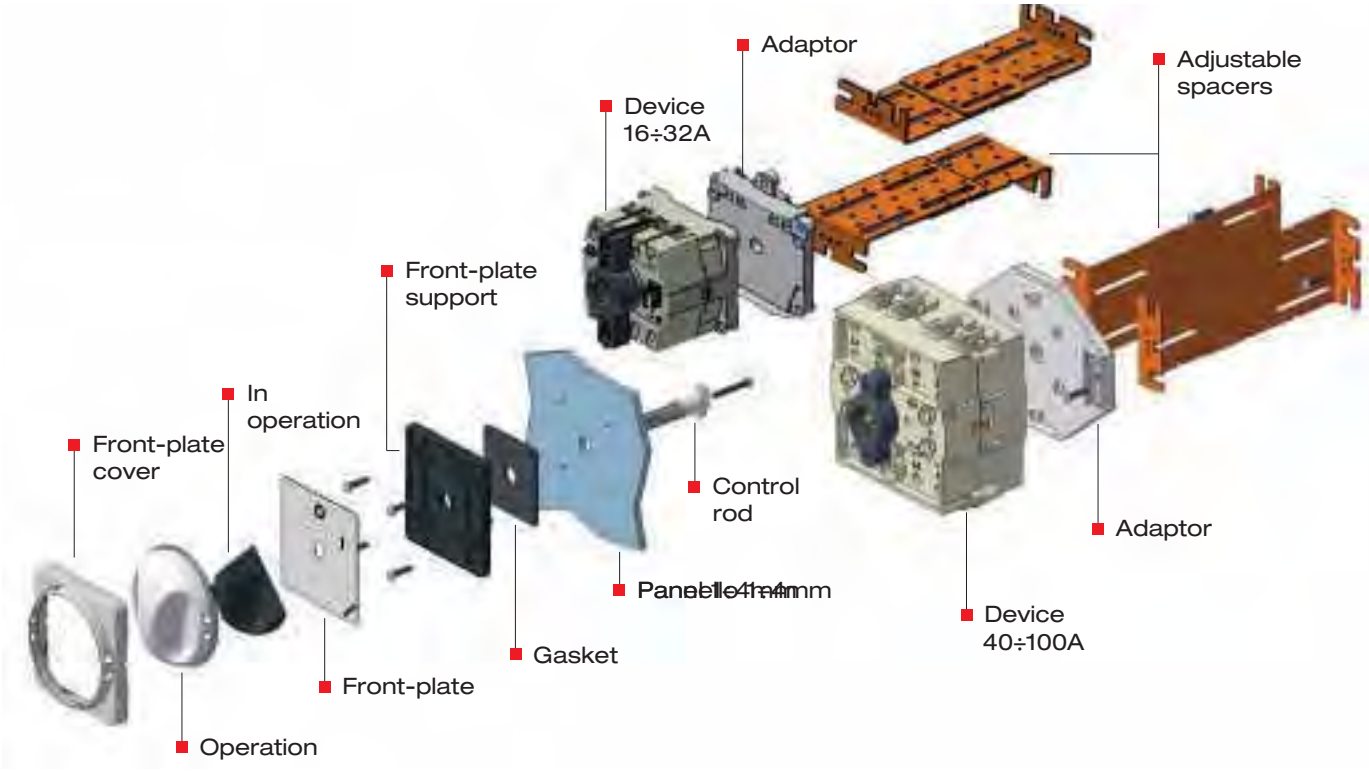
CAM-SZ REAR PANEL ISOLATOR SWITCHES 40÷100A
SCREW FIXING

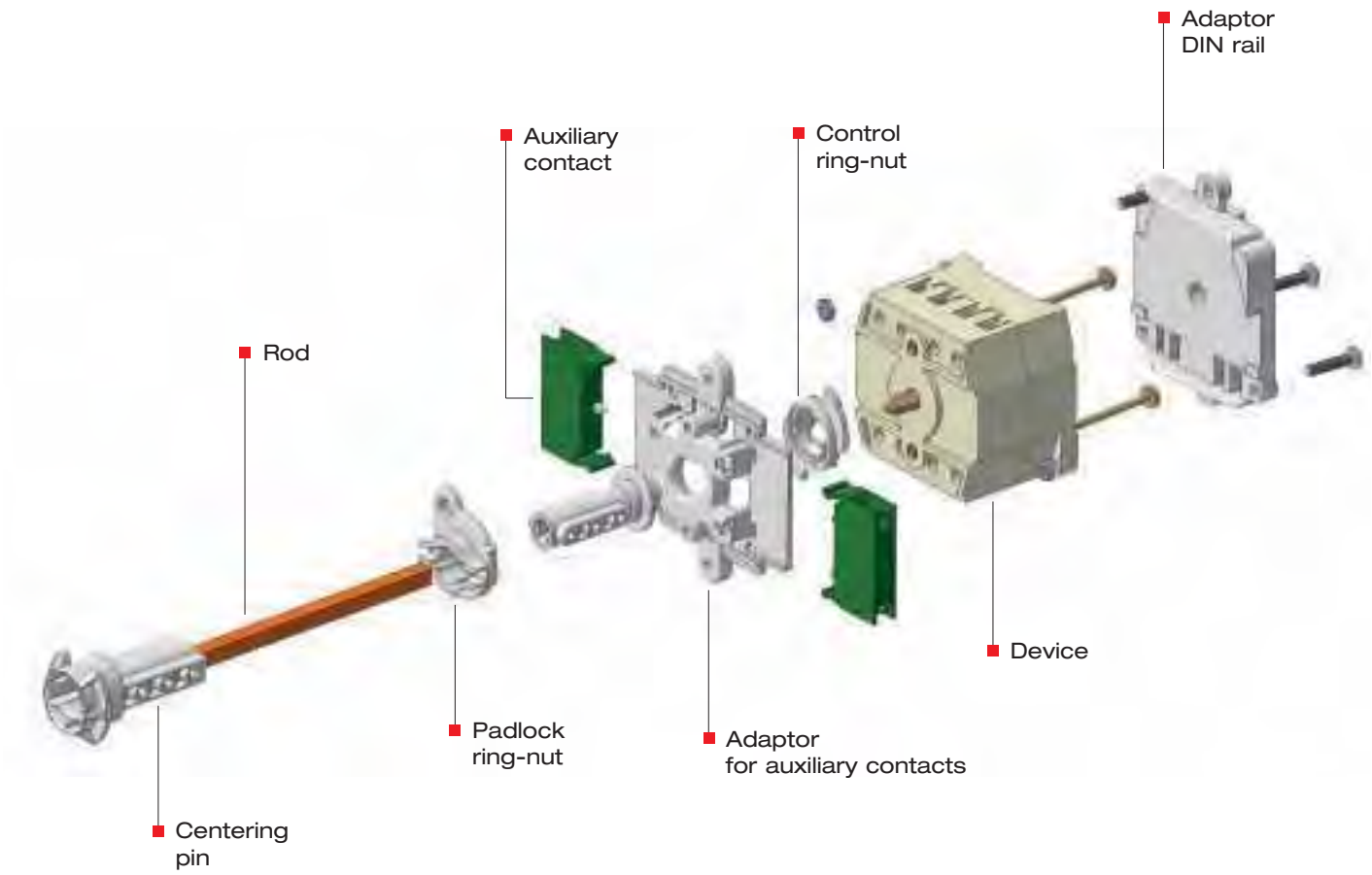


CAM-SZ REAR PANEL ISOLATOR SWITCHES 16÷32A / 40÷100A WITH ROD KIT

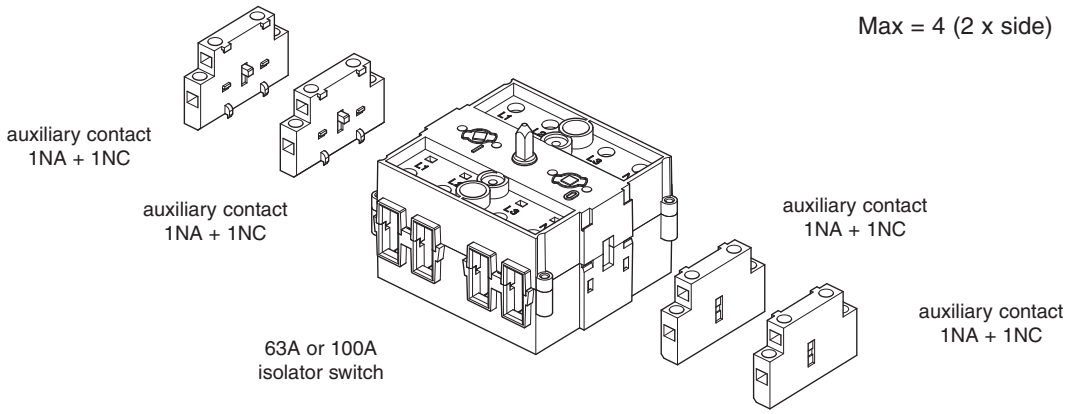


CAM-SZ REAR PANEL ISOLATOR SWITCHES 16÷32A / 40÷100A WITH SPACER





Auxiliary contact fixing layout



CAM-SZ series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60947-3 CEI EN 60529	IEC 60947-3 IEC 60529
Operation category:	see table on page. 341	
Protection rating:	IP65 finishes	IP20 cores
Impact resistance:	> IK 08	
Glow wire test:	960°C	
Self-Extinguishing:	V0	
Temperature resistance:	Operating: Storage:	-25°C - +60°C -40°C - +80°C
Homologations:	CE, IMQ, UL RoHS compliant	



CAM-SZ Series
Rear panel emergency isolator switches **with red** knob **and yellow plate**. Rear panel finish 67x67
IP65



Rated current (A)	Poles	Scheme CAM	Palazzoli code	Pack Q.ty
16	2	1	**267162**	1
	3	2	**267163**	1
	4	3	**267164**	1
25	3	2	**267253**	1
	4	3	**267254**	1
32	2	1	**267322**	1
	3	2	**267323**	1
	4	3	**267324**	1
40	3	2	**267403**	1
	4	3	**267404**	1
63	2	1	**267632**	1
	3	2	**267633**	1
	4	3	**267634**	1
100	3	2	**267103**	1
	4	3	**267104**	1

Characteristics
IP20 clamps for cable fastening without having to prepare wires in advance or use terminals.
Complementary items
auxiliary contacts on page 347
adapter for mounting auxiliary contacts page 347
extension shafts page 347
terminal cover cap page 347
Spacer kit page 347



CAM-SZ Series
Rear panel isolator switches with black **knob** and grey **plate**. Rear panel finish 67x67
IP65



Rated current (A)	Poles	Scheme CAM	Palazzoli code	Pack Q.ty
16	2	1	**268162**	1
	3	2	**268163**	1
	4	3	**268164**	1
25	3	2	**268253**	1
	4	3	**268254**	1
32	2	1	**268322**	1
	3	2	**268323**	1
	4	3	**268324**	1
40	3	2	**268403**	1
	4	3	**268404**	1
63	2	1	**268632**	1
	3	2	**268633**	1
	4	3	**268634**	1
100	3	2	**268103**	1
	4	3	**268104**	1

Characteristics
IP20 clamps for cable fastening without having to prepare wires in advance or use terminals.
Complementary items
auxiliary contacts on page 347
adapter for mounting auxiliary contacts page 347
extension shafts page 347
terminal cover cap page 347
Spacer kit page 347

Assembly diagrams page 324
Contacts layouts page 318÷319
Dimensions page 435



CAM-SZ Series
Base panel isolator switches
with emergency doorlock
with red **knob** and yellow **plate**.
Rear panel finish 67x67
IP65



Rated current (A)	Poles	Scheme CAM	Palazzoli code	Pack Q.ty
16	2	1	**265162**	1
	3	2	**265163**	1
	4	3	**265164**	1
25	3	2	**265253**	1
	4	3	**265254**	1
32	2	1	**265322**	1
	3	2	**265323**	1
	4	3	**265324**	1
40	3	2	**265403**	1
	4	3	**265404**	1
63	2	1	**265632**	1
	3	2	**265633**	1
	4	3	**265634**	1
100	3	2	**265103**	1
	4	3	**265104**	1

Characteristics
IP20 clamps for cable fastening without having to prepare wires in advance or use terminals.
Uses
Direct mounting on plate using screws or on EN50022 rail.
Complementary items
auxiliary contacts on page 347
adapter for mounting auxiliary contacts page 347
extension shafts page 347
terminal cover cap page 347
spacer kit page 347



CAM-SZ Series
Base panel isolator switches
with doorlock with black **knob**
and grey **plate**.
Rear panel finish 67x67
IP65



Rated current (A)	Poles	Scheme CAM	Palazzoli code	Pack Q.ty
16	2	1	**266162**	1
	3	2	**266163**	1
	4	3	**266164**	1
32	2	1	**266322**	1
	3	2	**266323**	1
	4	3	**266324**	1
63	2	1	**266632**	1
	3	2	**266633**	1
	4	3	**266634**	1
100	3	2	**266103**	1
	4	3	**266104**	1

Characteristics
IP20 clamps for cable fastening without having to prepare wires in advance or use terminals.
Uses
Direct mounting on plate using screws or on EN50022 rail.
Complementary items
auxiliary contacts on page 347
adapter for mounting auxiliary contacts page 347
extension shafts page 347
terminal cover cap page 347
spacer kit page 347

Assembly diagrams page 342÷344
Contacts layouts page 316
Dimensions page 435



CAM-SZ Series
Auxiliary contacts for base panel isolator switches with doorlock and for walls

Rated current (A)	For control devices tipo	Contact type	Palazzoli code	Pack Q.ty
16	isolator switches 16-32A	1 NC retarded	**270226**	1
	isolator switches 16-32A	1 NA anticpitated	**270227**	1
	isolator switches 16-32A	1 NC	**270230**	1
	isolator switches 16-32A	1 NA	**270231**	1
	isolator switches 16-32A	1NA+1NC	**270232**	1
	isolator switches 40-100A	1NA+1NC	**200016**	1

Characteristics
adaptor kit code 270235 is needed for mounting auxiliary contacts from 16A to 32A. 270235. The code 200016 can also be used for rear panel applications from 40A to 100A.
Uses
you can reposition the main contacts from a distance.



CAM-SZ Series
Adaptor for mounting auxiliary contacts to the base panel 16A and 32A isolator switches with doorlock and for walls

For control devices type	Palazzoli code	Pack Q.ty
isolator switches 16-32A	**270235**	1



CAM-SZ Series
Extension shaft for mounting base panel isolator switches with doorlock from 16A to 100A

Lenght (mm)	Manufacture material	Palazzoli code	Pack Q.ty
225	ANTICORODAL	**270225**	1
350	ANTICORODAL	**270350**	1
500	ANTICORODAL	**270500**	1



CAM-SZ Series
Terminal cover cap for isolator switches

For control devices type	Palazzoli code	Pack Q.ty
isolator switches 16-32A	**270241**	1
isolator switches 40-100A	**270242**	1



CAM-SZ Series
Adjustable spacer support kit for fixing base panel control devices with doorlock in tropicalised galvanised steel

Min. lenght (mm)	Max. lenght (mm)	Palazzoli code	Pack Q.ty
96,5	168,5	**270900**	10

Characteristics
it is composed of 4 equal squares in zinc-plated steel with self-threading screws and washers.
Uses
it is used for fixing devices in the right position and height for correct coupling with the control applied to the hatch.

Rear panel and inset devices screw fixing



CAM 351
Switches In up to 1200A - IP65



CAM 351
Line selector switches
In up to 63A - IP65



CAM 352
Motor selector switches
In up to 200A - IP65



CAM 355
Instrument selector switches
In 16A - IP65



CAM 356
Multi-ways with and without pos. 0
In up to 25A IP65



CAM 358
Two-way switches In 16A - IP65



CAM 358
Technical accessories



CAM 359
Knobs for rear panel devices



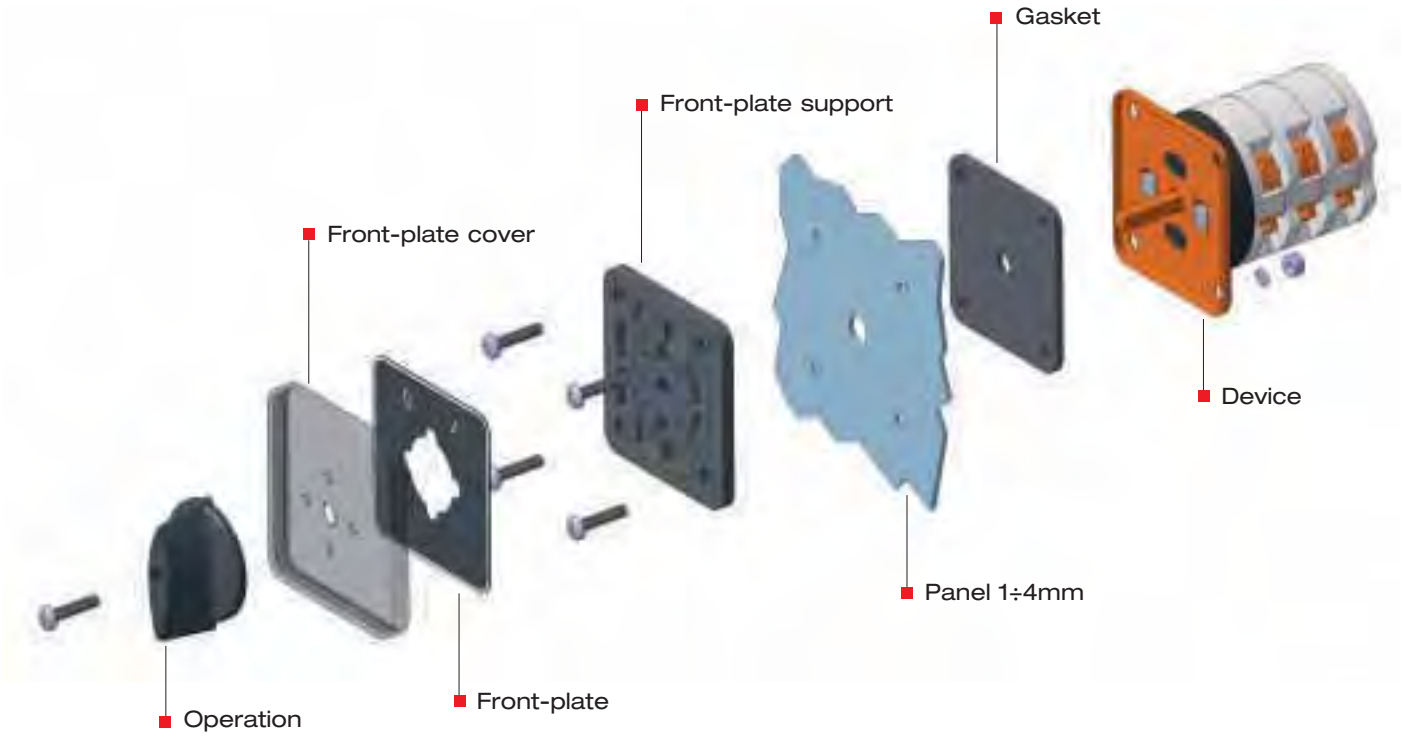
CAM 359
Knobs for inset devices

CAM SERIES SWITCHES
TECHNICAL SPECIFICATIONS

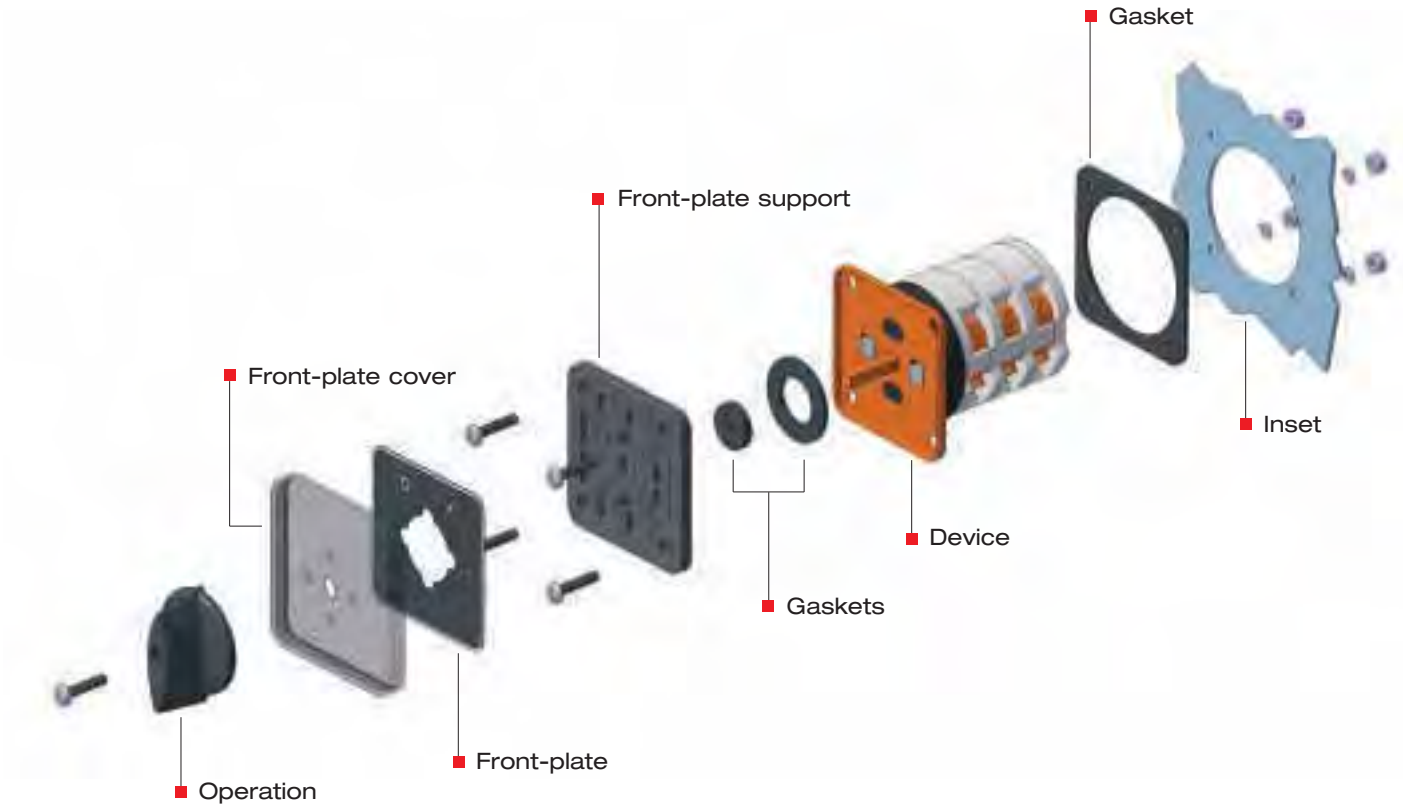
CAM heavy duty switch			CAM 16	CAM 25	CAM 40	CAM 63	CAM 100	CAM 125	CAM 200	CAM 400	CAM 600	CAM 800	CAM 1200
Rated insulation voltage Ui		V	500	500	500	500	500	500	500	500	500	500	500
Rated impulse seal voltage Uimp		kV	4	4	4	4	4	4	4	4	4	4	4
Rated closing capacity		A	160	250	400	630	1000	1250	1250	1250	1250	1250	1250
Rated breaking capacity		A	128	200	320	504	800	1000	1000	1000	1000	1000	1000
Protection against short-circuits													
Rated short time current (1 sec.)		A	240	380	600	950	1500	2000	3000	3000	3000	3000	3000
Conditional short-circuit current		kA	10	10	10	15	15	15	15	15	15	15	15
Max current of protection fuses (gl or aM)		A	16	25	40	63	100	125	200	400	600	800	1200
Thermal and uninterrupted rated current Ith = Iu		A	16	25	40	63	100	125	200	400	600	800	1200
Rated operating current Ie													
AC23A	415V	A	16	25	40	63	100	125	200	-	-	-	-
	500V	A	16	25	40	63	100	125	200	-	-	-	-
	690V	A	16	25	40	63	100	125	200	-	-	-	-
AC22A	415V	A	16	25	40	63	100	125	200	-	-	-	-
	500V	A	16	25	40	63	100	125	200	-	-	-	-
	690V	A	16	25	40	63	100	125	200	-	-	-	-
AC23A	230V	A	16	25	40	63	100	125	200	-	-	-	-
	400V	A	16	25	40	63	100	125	200	-	-	-	-
	500V	A	16	25	40	63	100	125	200	-	-	-	-
AC23A	230V	kW	4,5	7	11	20	26	30	30	-	-	-	-
	400V	kW	7,5	12	19	34	45	52	52	-	-	-	-
	500V	kW	10	14	23	44	56	64	64	-	-	-	-
AC3A	**230V**	**kW**	**4,5**	**7**	**11**	**18**	**26**	**30**	**30**	**-**	**-**	**-**	**-**
	400V	**kW**	**7,5**	**12**	**19**	**31**	**45**	**52**	**52**	**-**	**-**	**-**	**-**
	500V	**kW**	**10**	**14**	**23**	**40**	**56**	**64**	**64**	**-**	**-**	**-**	**-**
AC4	230V	kW	3,5	5	8	13	14	14	14	-	-	-	-
	400V	kW	6	8	13	21	27	27	27	-	-	-	-
	500V	kW	7,5	10	16	24	28	28	28	-	-	-	-
Use in direct current													
DC20 Rated operating current Ie		A	16	25	40	63	100	125	200	-	-	-	-
DC21 Rated operating current Ie		A	16	25	40	50	100	125	200	-	-	-	-
Max voltage for each pole in series		V	60	60	60	50	42	42	42	-	-	-	-
DC22 Rated operating current Ie		A	16	25	40	40	100	125	200	-	-	-	-
Max voltage for each pole in series		V	48	48	42	42	30	30	30	-	-	-	-
DC23 Rated operating current Ie		A	16	25	40	40	100	125	200	-	-	-	-
Max voltage for each pole in series		V	30	30	30	30	30	30	30	-	-	-	-
Mechanical duration		N. oper.	10^6	10^6	10^6	10^6	10^6	10^6	10^6	10^6	10^6	10^6	10^6
Frequency of the operations at rated current		oper. /hour	120	120	120	120	120	120	120	60	60	60	60
Rigid wire section		(mm^2)	1-4	2,5-6	6-10	10-25	10-35	-	-	-	-	-	-
Flexible cable section		mm^2	1-4	1,5-6	4-10	6-16	10-25	16-70*	16-70*	-	-	-	-
Cable lug terminal			-	-	-	-	-	M10	M10	M12	M16	M16	2xM16
Tightening torque		Nm	1,5	1,5	2	2	3	3	3	-	-	-	-

* With bolted clamp for terminals

CAM REAR PANEL CONTROL DEVICES 16÷63A
SCREW FIXING



CAM INSET CONTROL DEVICES 16÷63A
SCREW FIXING



CAM series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60947-3 CEI EN 60529	IEC 60947-3 IEC 60529
Operation category:	see table on page. 349	
Protection rating:	IP65 /IP64 finishes	IP00 cores
Impact resistance:	> IK 08	
Glow wire test:	960°C	
Self-Extinguishing:	V0	
Temperature resistance:	Operating: Storage:	-25°C - +60°C -40°C - +80°C



CAM SERIES
High performance
watertight switches
for distribution board
and flush-mounting
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	1	0	52	**276600**	1
	2	1	52	**276601**	5
	3	2	67	**276602**	5
	4	3	67	**276603**	5
25	2	1	52	**276701**	1
	3	2	68	**276702**	5
	4	3	68	**276703**	5
40	2	1	74	**276801**	1
	3	2	92	**276802**	1
	4	3	92	**276803**	5
63	3	2	108	**286902**	1
	4	3	108	**286903**	5

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358
distribution board knobs on page 359
flush-mounted knobs on page 359



CAM SERIES
High performance
watertight switches
for distribution boards with knob
and front-plate front panel
Front panel IP65
Terminals IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
100	4	3	133	**276503**	1
200	4	3	145	**286603**	1
400	4	3	221	**286703**	1
600	3	2	259	**286732**	1
800	3	2	297	**286762**	1
1200	3	2	411	**286782**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).



CAM SERIES
Line selector switches
watertight switches
for distribution board
and flush-mounting
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	1	4	52	**276604**	1
	2	5	67	**276605**	5
	3	6	83	**276606**	5
	4	7	98	**276607**	5
25	2	5	68	**276705**	1
	3	6	84	**276706**	5
	4	7	100	**276707**	5
40	2	5	92	**276805**	1
	3	6	110	**276806**	1
	4	7	128	**276807**	5
63	3	6	134	**286906**	1
	4	7	159	**286907**	5

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358
distribution board knobs on page 359
flush-mounted knobs on page 359

Spare parts page 376
Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 436



CAM SERIES
Line selector switches
watertight switches
for distribution board and
flush-mounting with knob,
front-plate front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
100	4	7	197	**276507**	1
200	4	7	221	**286607**	1
400	4	7	373	**286707**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).



CAM SERIES
Reversing switches for three-phase motors
watertight switches
for distribution board
and flush-mounting
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	3	12	83	**276612**	5
25	3	12	84	**276712**	5
40	3	12	110	**276812**	1
63	3	12	134	**286912**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358
distribution board knobs on page 359
flush-mounted knobs on page 359



CAM SERIES
Reversing switches for three-phase motors
watertight switches with knob,
front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	631	96	**276289**	1
40	631	110	**276389**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
Pole reversing switches
for magnetic watertight planes
with knob, front-plate and front
panel Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	572	95	**276185**	1
	575	79	**276186**	1

Characteristics:
art. 276186 supplied without signalling contact.
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

Spare parts page 376
Assembly diagrams page 350
Contacts layouts page 316-317
Dimensions page 436



CAM SERIES
Star/triangle starters
watertight planes
for distribution board
and flush-mounting
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	3	13	98	**276613**	1
25	3	13	100	**276713**	1
40	3	13	128	**276813**	1
63	3	13	159	**286913**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358
distribution board knobs on page 359
flush-mounted knobs on page 359



CAM SERIES
Star/triangle starters
run reversing watertight planes
for distribution boards with knob
front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	14	116	**276214**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
Star/triangle starters
watertight planes
for distribution boards with knob
front-plate and front panel
Front panel IP65
Terminal blocks IP00

Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
100	13	197	**276513**	1
200	13	221	**286613**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars). Article 286613 supplied with handwheel.



CAM SERIES
Pole changing switches
watertight planes
for distribution board
and flush-mounting
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	3	15	98	**276615**	1
25	3	15	100	**276715**	1
40	3	15	128	**276815**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358
distribution board knobs on page 359
flush-mounted knobs on page 359

Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 436



CAM SERIES
Pole changing switches
watertight planes
for distribution boards with front-plate knob 0-I-II and front plate
Front panel IP65
Terminal blocks IP00



Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	16	100	**276216**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
Heat control high performance
watertight switches with knob,
front-plate 0-1-2-3 front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	2	32	67	**276132**	1
25	2	34	68	**276234**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
Pole changing switches run reversing
high performance watertight for distribution boards with knob and front-plate 2-1-0-2 front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	17	148	**276217**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
Watertight
high performance control
for distribution boards with knob
front-plate and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	36	52	**276136**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 436



CAM SERIES
Voltmeter selector switch
high performance watertight for distribution boards with knob and front-plate 0-RS-RT-ST and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	18	67	**276118**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
Voltmeter selector switch
high performance watertight for distribution boards with knob and front-plate RT-ST-RS-0-RN-SN-TN front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	35	83	**276135**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
Voltmeter selector switch
high performance watertight for distribution boards with knob and front-plate 0-RN-ST-TN and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	19	67	**276119**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
Ammeter selector switch on 3 watertight high performance reduction units with knob, front-plate and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	22	98	**276122**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 436-437



CAM SERIES
Ammeter selector switch on 4 watertight high performance reduction units with knob, front-plate and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	23	98	**276123**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
3-way selector switch high performance reduction units with knob, front-plate and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	24	68	**276224**	1
	2	24	84	**276244**	1
	3	24	116	**276254**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
4-way selector switch high performance reduction units with knob, front-plate and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	25	68	**276225**	1
	2	25	100	**276245**	1
	3	25	132	**276255**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
5-way watertight high performance selector switch with knob, front-plate and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	26	84	**276226**	1
	2	26	116	**276246**	1
	3	26	164	**276256**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 437



CAM SERIES
6-way watertight high performance selector switch
with knob, front-plate
and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	27	84	**276227**	1
	2	27	132	**276247**	1
	3	27	180	**276257**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
3-way + 0 watertight high performance selector switch
with knob, front-plate
and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	28	68	**276228**	1
	2	28	84	**276248**	1
	3	28	116	**276258**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
4-way + 0 watertight high performance selector switch
with knob, front-plate
and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	29	68	**276229**	1
	2	29	100	**276249**	1
	3	29	132	**276259**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
5-way + 0 watertight high performance selector switch
with knob, front-plate
and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	30	84	**276230**	1
	2	30	132	**276250**	1
	3	30	180	**276260**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358

Spare parts page 376
Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 436-437



CAM SERIES
6-way + 0 watertight high performance selector switch
with knob, front-plate
and front panel
Front panel IP65
Terminal blocks IP00



Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
25	1	31	100	**276231**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358



CAM SERIES
Two-Way watertight high performance selector switch
for distribution board
and flush-mounting
Front panel IP65
Terminal blocks IP00



Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	1	8	52	**276608**	1
	2	9	67	**276609**	1
	3	10	83	**276610**	1
	4	11	98	**276611**	1

Uses:
they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).
Complementary items:
protruding terminal blocks page 358
terminal cover caps page 358
distribution board knobs on page 359
flush-mounted knobs on page 359



CAM SERIES
Projecting terminals
for control devices

Rated current (A)	Terminal block description	Palazzoli code	Pack Q.ty
16	Right	**270810**	20
	Left	**270811**	20
25	Right	**270820**	20
	Left	**270821**	20

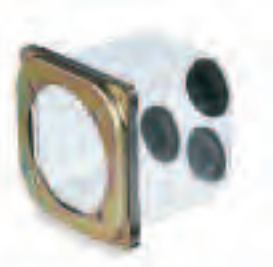
Uses:
they are used for easily connecting wires to the terminals even if the device is installed in an awkward position.



CAM SERIES
Rear protection caps for
distribution boards in transparent
thermoplastic material
IP54

For devices with depth (mm)	Palazzoli code	Pack Q.ty
52/67/68	**276910**	1
74/82/92	**276930**	1
79/83/84/95/96/98/100	**276911**	1
108/110/128/134	**276931**	1
114/116/130/132	**276912**	1
145/148/160/164	**276913**	1
159	**276932**	1

Uses:
they have connections with stepped gland in non-ageing elastomer. They ensure rear protection IP54.



CAM SERIES
Rear protection caps for
flush-mounting in transparent
thermoplastic material
IP54

For devices with depth (mm)	Palazzoli code	Pack Q.ty
52/67/68	**278920**	1
74/82/92	**278940**	1
83/84/96/98/100	**278921**	1
108/110/128/134	**278941**	1
159	**278942**	1

Characteristics:
they have connections with stepped gland in non-ageing elastomer. They ensure rear protection IP54.

Assembly diagrams page 350
Contacts layouts page 316
Dimensions page 436



CAM SERIES
Black knobs **for distribution boards** boards with front-plate in anodized aluminium and polycarbonate transparent protection
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 16/25A	67x67	**292115**	10
Switches 40/63A	99x99	**292315**	1
Selector switches, reversing switches, pole changing switches 16/25A	67x67	**292135**	10
Selector switches, reversing switches, pole changing switches 40/63A	99x99	**292335**	1
Two-way switches 16A	67x67	**292145**	1
Star/triangle starters 16/25A	67x67	**292155**	1
Star/triangle starters 40/63A	99x99	**292355**	1



CAM SERIES
Grey lockable knobs **for distribution boards**, with blue thermoplastic flange IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches, selector switches, reversing switches, pole changing switches 16/25A	67x67	**292125**	10
Switches, selector switches, reversing switches, pole changing switches 40/63A	99x99	**292325**	1

Characteristics:
for lockable main switches in position “I” or “0”.



CAM SERIES
Red lockable emergency knobs **for distribution boards**, with yellow thermoplastic flange IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches, selector switches, reversing switches, pole changing switches 16/25A	67x67	**292105**	10
Switches, selector switches, reversing switches, pole changing switches 40/63A	99x99	**292305**	1

Characteristics:
for lockable main switches in position “I” or “0”.



CAM SERIES
Black knobs **for distribution boards** with front-plate in anodized aluminium and polycarbonate transparent protection
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 16/25A	67x67	**292116**	1
Switches 40/63A	99x99	**292316**	1
Switches, selector switches, reversing switches, pole changing switches 16/25A	67x67	**292136**	1
Switches, selector switches, reversing switches, pole changing switches 40/63A	99x99	**292336**	1
Two-way switches 16A	67x67	**292146**	1
Star/triangle starters 16/25A	67x67	**292156**	1
Star/triangle starters 40/63A	99x99	**292356**	1



CAM SERIES
Grey lockable **flush-mounted** knobs, with blue thermoplastic flange IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches, selector switches, reversing switches, pole changing switches 16/25A	67x67	**292126**	1
Switches, selector switches, reversing switches, pole changing switches 40/63A	99x99	**292326**	1

Characteristics:
for lockable main switches in position “I” or “0”.



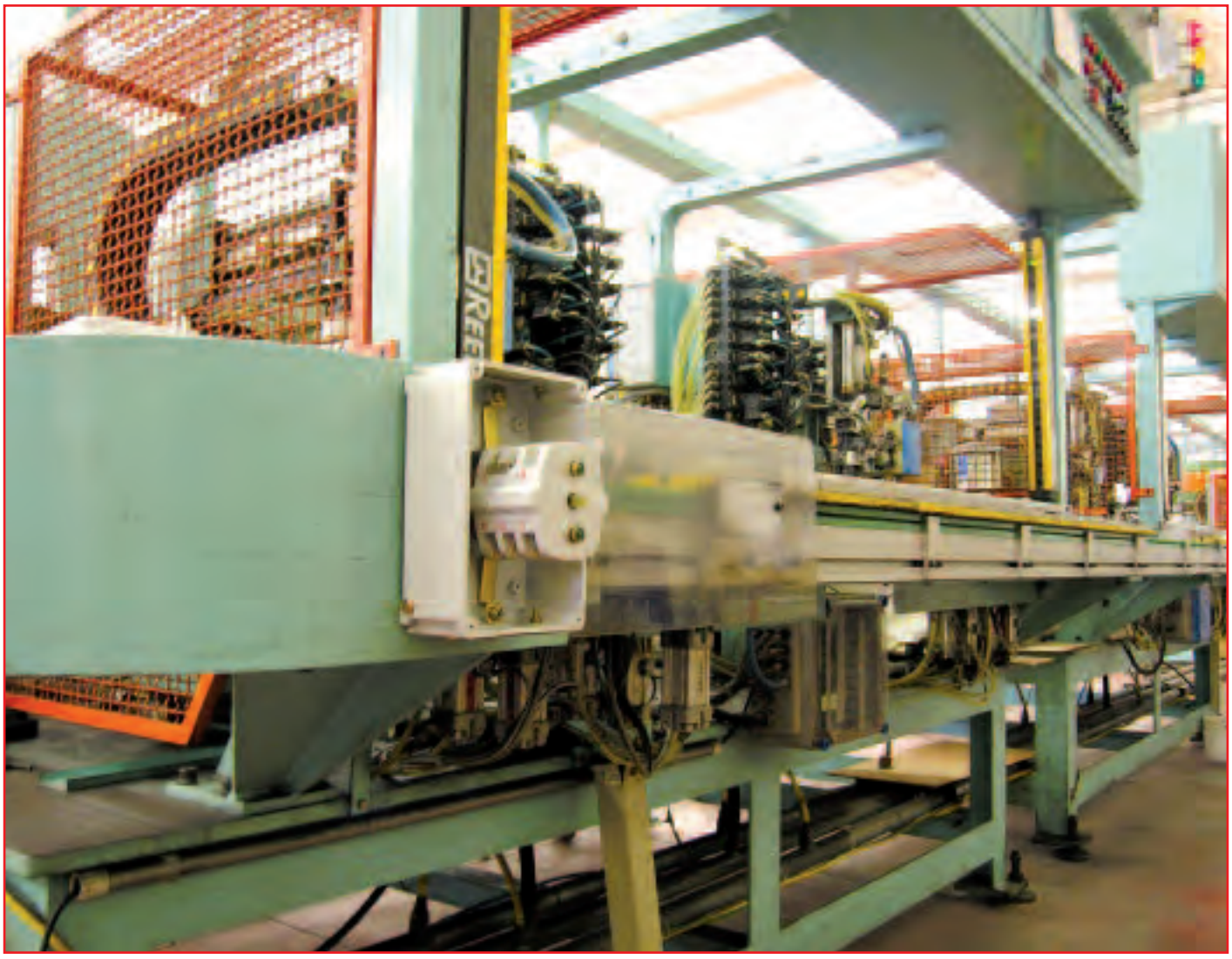
CAM SERIES
Red lockable flush-mounted **emergency knobs** with yellow thermoplastic flange
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches, selector switches, reversing switches, pole changing switches 16/25A	67x67	**292106**	1
Switches, selector switches, reversing switches, pole changing switches 40/63A	99x99	**292306**	1

Characteristics:
for lockable main switches in position “I” or “0”.

Dimensions page 436

Rear panel devices with doorlock





CAM 362
Switches with doorlock
In up to 400A



CAM 362
Line selector switches with doorlock
In up to 200A

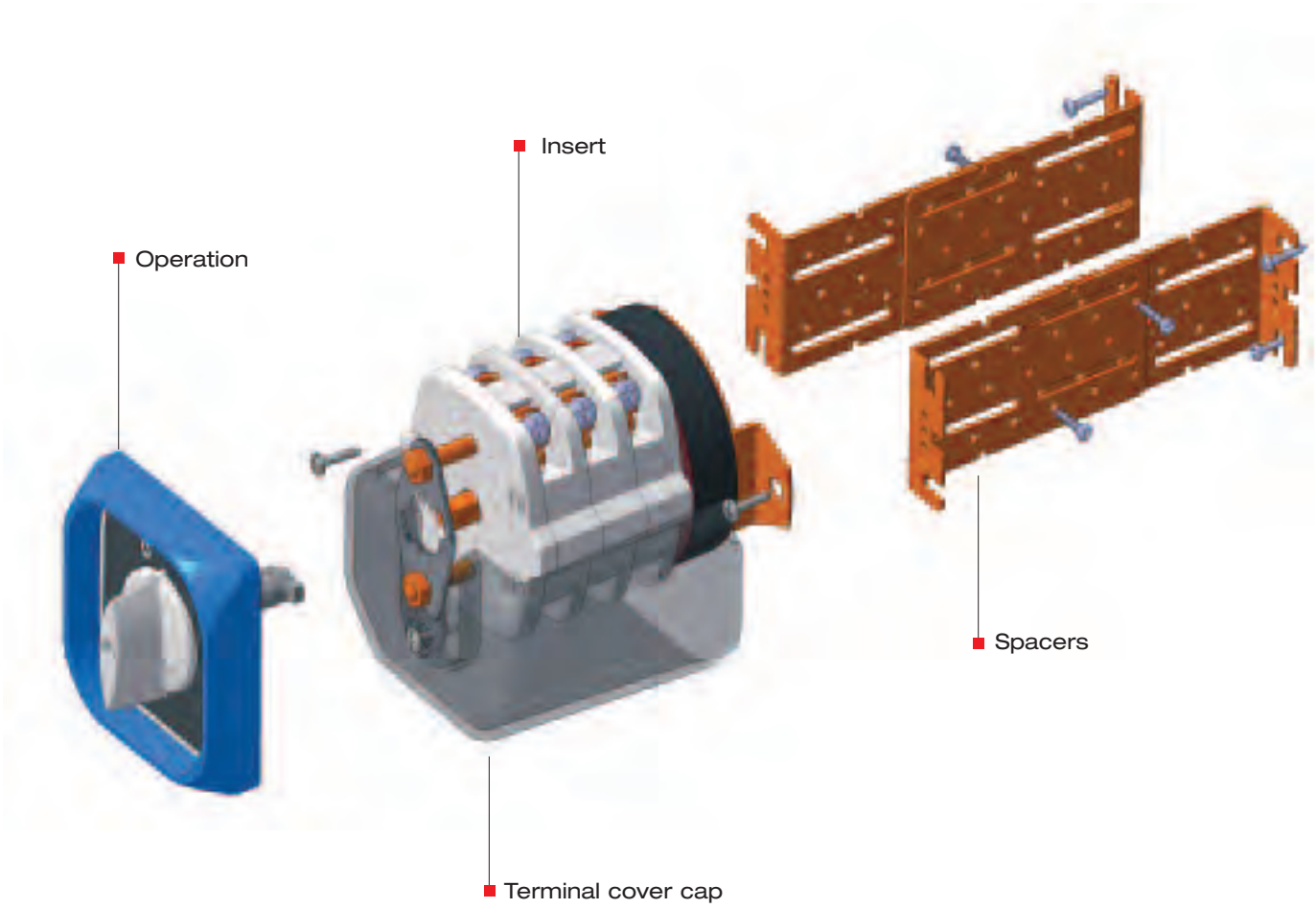


CAM 363
Technical accessories



CAM 364-365
Knobs for CAM with doorlock

CAM BASE PANEL CONTROL DEVICES 16÷63A
SCREW FIXING



CAM series

PRODUCT SPECIFICATIONS

Conformity to standards:	CEI EN 60947-3 CEI EN 60529	IEC 60947-3 IEC 60529
Operation category:	AC3 - AC23A	
Protection rating:	IP65 /IP64 finishes	IP00 cores
Impact resistance:	> IK 08	
Glow wire test:	960°C	
Self-Extinguishing:	V0	
Temperature resistance:	Operating: Storage:	-25°C - +60°C -40°C - +80°C



CAM SERIES
A32 switches
with doorlock for cabinets,
with protective cap on high
cacpacity input
Terminal blocks IP00

Rated current (A)	Poles	Depth (mm)	Palazzoli code	Pack Q.ty
32	2	102	**275232**	1
	3	102	**275332**	1
	4	102	**275432**	1

Characteristics:
clamps suitable for locking cables without preparing wires in advance and without using terminals.
Uses:
for snaplocking the device on EN50022 rail or directly fastening it onto the plate using screws.
Complementary items:
cabinet knobs page 364÷365



CAM SERIES
Switches
with doorlock for cabinets,
with protective cap on high
cacpacity input
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	3	2	96	**275112**	10
	4	3	96	**275113**	10
25	3	2	97	**275212**	10
	4	3	97	**275213**	10
40	3	2	123	**275312**	5
	4	3	123	**275313**	5
63	3	2	140	**285412**	5
	4	3	140	**285413**	5

Complementary items:
protruding terminals page 363
Spacer kit page 363
cabinet knobs page 364÷365



CAM SERIES
Switches
with doorlock for cabinets,
with protective cap on high
cacpacity input
terminals
Terminal blocks IP00

Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
100	3	2	183	**270512**	1
100	4	3	183	**270513**	1
200	3	2	195	**280612**	1
200	4	3	195	**280613**	1
400	3	2	233	**280712**	1
400	4	3	271	**280713**	1

Complementary items:
cabinet knobs page 364÷365

Assembly diagrams page 361
Contacts layouts page 316
Dimensions page 438



CAM SERIES
Selector switches
with doorlock for cabinets,
with protective cap on high capacity input
Terminal blocks IP00



Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
16	3	6	112	**275116**	1
	4	7	128	**275117**	1
25	3	6	113	**275216**	1
	4	7	129	**275217**	1
40	3	6	141	**275316**	1
	4	7	159	**275317**	1
63	3	6	166	**285416**	1
	4	7	191	**285417**	1

Complementary items:
protruding terminals page 363
Spacer kit page 363
cabinet knobs page 364÷365



CAM SERIES
Selector switches
with doorlock for cabinets,
with protective cap on high capacity input
Terminal blocks IP00



Rated current (A)	Poles	Scheme CAM	Depth (mm)	Palazzoli code	Pack Q.ty
100	4	7	247	**270517**	1
200	4	7	271	**280617**	1

Complementary items:
cabinet knobs page 364÷365



CAM SERIES
Projecting terminals
for control devices

Rated current (A)	Terminal block description	Palazzoli code	Pack Q.ty
16	Right	**270810**	20
	Left	**270811**	20
25	Right	**270820**	20
	Left	**270821**	20

Uses:
they are used for easily connecting wires to the terminals even if the device is installed in an awkward position.



CAM SERIES
Adjustable spacer support kit
for attaching control devices for tropicalized steel cabinet with doorlock.

Min. lenght (mm)	Max. lenght (mm)	Palazzoli code	Pack Q.ty
96,5	168,5	**270900**	10

Characteristics
suitable for loads from 16A to 63A Composed of 4 equal brackets in zinc-plated steel with self-threading screws and washers.
Uses
it is used for fixing devices in the right position and height for correct coupling with the control applied to the hatch.

Assembly diagrams page 361
Contacts layouts page 316
Dimensions page 436-437

REAR PANEL DEVICES WITH DOORLOCK



CAM SERIES
Black knobs with doorlock for cabinets, with anodised aluminium front-plate and transparent polycarbonate protection
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 16/25/32A	67x67	**295117**	10
Switches 40/63A	99x99	**295157**	5
Selector switches 16/25A	67x67	**295137**	1
Selector switches 40/63A	99x99	**295177**	1



CAM SERIES
Grey lockable knobs with doorlock for cabinets, with blue thermoplastic flange
IP65

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 16/25/32A	83x83	**295108**	10
Switches 40/63A	105x105	**295308**	5
Selector switches 16/25A	83x83	**295118**	1
Selector switches 40/63A	105x105	**295318**	1

Characteristics:
lockable in any position. Codes 295308 and 295318 have a projecting lever knob.



CAM SERIES
Grey lockable knobs with doorlock for cabinets, with blue thermoplastic flange
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches, selector switches 16/25/32A	67x67	**295127**	1
Switches, selector switches 40/63A	99x99	**295167**	1

Characteristics:
lockable in any position.



CAM SERIES
Red lockable emergency knobs with doorlock for cabinets, with yellow thermoplastic flange
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches, selector switches 16/25/32A	67x67	**295107**	10
Switches, selector switches 40/63A	99x99	**295147**	5

Characteristics:
lockable in any position.

Dimensions page 439



CAM SERIES
Red lockable emergency knobs with doorlock for cabinets, with yellow thermoplastic flange
IP65

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 16/25/32A	83x83	**295128**	10
Switches 40/63A	105x105	**295328**	5
Selector switches 16/25A	83x83	**295138**	1
Selector switches 40/63A	105x105	**295338**	1

Characteristics:
lockable in any position. Codes 295328 and 295338 have a projecting lever knob.



CAM SERIES
Black knobs with doorlock for cabinets, with anodised aluminium front-plate
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 100A ~	134x134	**270528**	1
Switches 200A ~	134x134	**270628**	2
Selector switches 100A	134x134	**270538**	1
Selector switches 200A	134x134	**270638**	1



CAM SERIES
Black handwheel with doorlock for cabinets, with anodised aluminium front-plate
IP54

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 400A	134x134	**270728**	1



CAM SERIES
Grey lockable knobs with doorlock for cabinets, with blue thermoplastic flange
IP65

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 100/200A	105x105	**292508**	1
Switches 400A ~	72x83	**292708**	1
Selector switches 100/200A	105x105	**292518**	1

Characteristics:
lockable in any position. Code 292708 has a projecting lever knob.



CAM SERIES
Red lockable emergency knobs with doorlock for cabinets, with yellow thermoplastic flange
IP65

For control devices type	Flange dimensions (mm)	Palazzoli code	Pack Q.ty
Switches 100/200A	105x105	**292528**	2
Switches 400A ~	72x83	**292728**	1
Selector switches 100/200A	105x105	**292538**	1

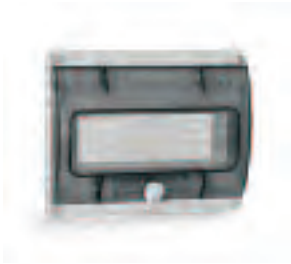
Characteristics:
lockable in any position. Code 292728 has a projecting lever knob.

Dimensions page 439



Blind front panel for PRIMA series **flanged distribution boards**

Description	Palazzoli code	Pack Q.ty
Spare blind front section	**579592**	1



Cover with smoked glass door, EN50022 rail and accessories for PRIMA series **flanged distribution boards**

Description	No. modules EN50022	Palazzoli code	Pack Q.ty
Front panel with spare door	9	**579462**	1

Equipment:
stainless steel screws, EN50022 rail.
Uses:
RCDS can be installed for protection against indirect contacts.

Closing additional openings flange **topTER series** IP55

Flange dimensions (mm)	For socket-outlet housing	Palazzoli code	Pack Q.ty
65x83	Industrial 16A 2P+⏚ e 3P+⏚	**579843**	1



Aesthetic frame **topTER series**

Description	Palazzoli code	Pack Q.ty
Reduces flange hole from 88x100 to 65x83	**579846**	1



Support for portable ACS building site distribution boards

Manufacture material	Palazzoli code	Pack Q.ty
stainless steel	**570000**	1

Equipment:
4 stainless steel screws for fastening to distribution board.



16A and 32A interlocked socket-outlets for distribution board installations - IP55



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	110V	yellow	2P+⏚	4	**479243**	1
	50-60Hz	230V	blue	2P+⏚	6	**479263**	1
	50-60Hz	400V	red	3P+⏚	6	**479363**	1
	50-60Hz	400V	red	3P+N+⏚	6	**479463**	1
32	50-60Hz	110V	yellow	2P+⏚	4	**479246**	1
	50-60Hz	230V	blue	2P+⏚	6	**479266**	1
	50-60Hz	400V	red	3P+⏚	6	**479366**	1
	50-60Hz	400V	red	3P+N+⏚	6	**479466**	1
	50/60Hz	380/440V	red	3P+⏚	3	**479336**	1



Socket-outlets with safety transformer (SELV) and thermal protection for distribution board installation - IP55



Rated current (A)	Frequency	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Q.ty
16	50-60Hz	230/24V~	2P	150	**479024**	1



Flanged watertight distribution boards for wall- or flush-mounting of 16A and 32A interlocked socket-outlets with EN50022 rail for fixing modular devices IP55

No. installable socket-outlets	No. modules EN50022	Dispersable wattage (W)	Dimensions (mm)	Palazzoli code	Pack Q.ty
1	4	18	113x395	**579101**	1
2	8	40	217x470	**579222**	1
3	14	56	320x470	**579333**	1
4	18+1	70	422x470	**579444**	1



Finishing frames for flush-mounting distribution boards

For distribution boards	Palazzoli code	Pack Q.ty
579222 / 579204	**579002**	1
579333 / 579306	**579003**	1

Complementary items:
watertight distribution boards on page 24, 65.



Spare contact components for TAIS and ALUPRES series interlocked socket-outlets

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Q.ty
16	50-60Hz	230V	blue	2P+⏚	6	**472940**	1
	50-60Hz	400V	red	3P+⏚	6	**472941**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472942**	1
	50-60Hz	230V	blue	2P+⏚	6	**472950**	1
	50-60Hz	400V	red	3P+⏚	6	**472951**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472952**	1
32	50-60Hz	110V	yellow	2P+⏚	4	**472960**	1
	50-60Hz	230V	blue	3P+⏚	9	**472961**	1
	50-60Hz	400V	red	3P+⏚	6	**472962**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472963**	1
63	50-60Hz	230V	blue	2P+⏚	6	**472970**	1
	50-60Hz	400V	red	3P+⏚	6	**472971**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472972**	1
125	50-60Hz	400V	red	3P+⏚	6	**472980**	1
	50-60Hz	400V	red	3P+N+⏚	6	**472981**	1

Note: code 472940, 472941 and 472942 are socket-outlets after 2005.
Caution: the replacement of the spare part must be carried out by qualified personnel carefully following the instructions available by contacting Palazzoli technical assistance.



Spare contact components for FP type watertight socket-outlets/plugs with aligned poles

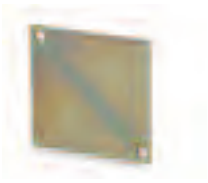
For socket/plug code	Palazzoli code	Pack Q.ty
422039, 422079, 421029	**421909**	1
427019	**427909**	1

SPARE PARTS



Watertight wall-mounted enclosures with inlet holes, high cover, in thermosetting (GRP) material IP67

External dimensions (mm)	Box height (mm)	Cover height (mm)	Hole type	Palazzoli code	Pack Q.ty
92x92	50	50	Pg21 Pg21	**532225**	8
125x92	50	50	Pg21 Pg21	**532295**	1
125x92	50	50	Pg21 Pg21	**532285**	1
185x92	50	50	Pg21 Pg21 Pg21	**532325**	4
185x92	50	50	Pg21 Pg21 Pg21 Pg21 Pg21	**532385**	1
125x125	75	50	Pg36 Pg36	**532346**	1
185x125	75	50	Pg29 Pg36 Pg36 Pg21 Pg21	**532667**	1
250x125	75	50	Pg36 Pg29 Pg29	**532618**	1
250x125	75	50	Pg36 Pg29 Pg21	**532628**	1
250x125	75	50	Pg36 Pg36 Pg36 Pg29 Pg29	**532638**	1
250x125	75	50	Pg36 Pg36 Pg36 Pg29 Pg21	**532648**	1
185x125	75	25	Pg29 Pg21 Pg21	**532677**	1



Mounting plates in anti-corrosion tropicalized steel plate, for watertight enclosures

For enclosures dimensions	For enclosures code	Palazzoli code	Pack Q.ty
92x92	532005, 532035, 532225, 538005, 538035, 532005, 532035	**532705**	1
125x92	532006, 532045, 532285, 532295, 538006, 538045, 532006, 532045	**532714**	1
185x92	532015, 532055, 532325, 532385, 538015, 538055, 532015,532055	**532715**	1



Watertight wall-mounted enclosures with inlet holes, transparent door and EN50022 rail in thermosetting (GRP) material IP67

No. modules EN50022	External dimensions (mm)	Box height (mm)	Cover height (mm)	Hole type	Door height (mm)	Palazzoli code	Pack Q.ty
6,5	185x125	75	50	Pg29 Pg36 Pg36 Pg21 Pg21	30	**532567**	1
6,5	185x125	75	50	Pg21 Pg21	30	**532577**	1
9	250x125	75	50	Pg36 Pg29 Pg29	30	**532668**	1
9	250x125	75	50	Pg36 Pg29 Pg21	30	**532678**	1
9	250x125	75	50	Pg36 Pg36 Pg36 Pg29 Pg29	30	**532688**	1
9	250x125	75	50	Pg36 Pg36 Pg36 Pg29 Pg21	30	**532698**	1



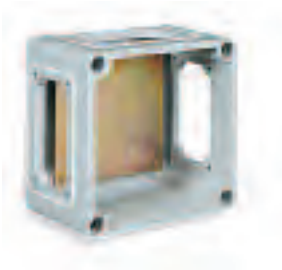
Fittings with Pg type thread for watertight enclosures IP67

Pg	Assembly hole (mm)	For cables Ø (mm)	Palazzoli code	Pack Q.ty
21	29	17	**580242**	5
29	38	24	**580243**	5
36	48	37	**580244**	1
13,5	21	15	**580245**	1
29/36	38 - 48	24	**580203**	1
13,5/36	21 - 48	15	**580205**	1



Plates for mounting of interlocked socket-outlets with switch disconnectors in thermosetting (GRP) material

Dimensions (mm)	No. installable devices	Module installable devices	Palazzoli code	Pack Q.ty
92x430	1	92	**538701**	1
185x430	2	2x92	**538702**	1



Watertight enclosures in thermosetting (GRP) material, with mounting plates in tropicalized steel plate
IP67

External dimensions (mm)	Windows finestre	Holes Type	Palazzoli code	Pack Q.ty
185x185x115			**531213**	1
185x185x115			**531312**	1
250x185x115			**531223**	1
250x185x115			**531233**	1
250x185x115			**531322**	1
250x185x115			**531332**	1



PT60 series modular socket-outlets
Italian standard 250V ~

Description	Pin distance	Type	Number modules	For pins	Palazzoli code	Pack Q.ty
2P+T 10/16A Dual amp.	19/26	P11/P17	1	Ø 4/5	**641216**	1

Characteristics:
socket contacts with protective screens. Rear terminals equipped with cord grip plates and captive screws.



PT60 series modular socket-outlets
Italian/German standard 250V ~

Description	Pin distance (mm)	Type	Number modules	For pins (mm)	Palazzoli code	Pack Q.ty
2P+T 10/16A UNEL/P30 Schuko (with side and central earth)	19	P30	2	Ø 4/4,8	**643216**	10

Characteristics:
socket contacts with protective screens.
Rear terminals equipped with cord grip plates and captive screws.



Spare A32 rotary switches for ULYSSE, TAIS and ALUPRES series interlocked socket-outlets

Rated current (A)	Poles	Type	Palazzoli code	Pack Q.ty
16	2P	A32	**274634**	1
	3P	A32	**274644**	1
	4P	A32	**274654**	1
32	2P	A32	**274637**	1
	3P	A32	**274647**	1
	4P	A32	**274657**	1



Spare switch for watertight FP type socket-outlets with aligned poles

For socket-outlet code	Switch type	Palazzoli code
422039	3x400A	**274772**



High visibility spare knobs for interlocked socket-outlets and control devices

For control socket-outlets and device type	Block position	Palazzoli code	Pack Q.ty
16A/25A	0/I	**270922**	1
16A with circuit breaker, 32A and 63A	0/I	**270932**	1

Characteristics: they can be locked in the "0" and "I" positions.
Equipment: with front-plate.



High visibility emergency **spare knobs**, for interlocked socket-outlets and control devices

For control socket-outlets and device type	Block position	Palazzoli code	Pack Q.ty
16A/25A	0	**270934**	1
16A with circuit breaker, 32A and 63A	0	**270936**	1

Characteristics: they can be locked in the "0" positions.
Equipment: with front-plate.



Lockable handles for interlocked socket-outlets and control devices

For control socket-outlets and device type	Block position	Palazzoli code	Pack Q.ty
16A/25A	0	**270902**	1
16A/25A	I	**270903**	1
16A with circuit breaker, 32A and 63A	0	**270912**	1
16A with circuit breaker, 32A and 63A	I	**270913**	1

Uses: unqualified people are prevented from operating them. Very useful during maintenance due to the lock in position “0”.



Lockable red emergency knobs **with yellow front plate** for interlocked socket-outlets and control devices

For control socket-outlets and device type	Block position	Palazzoli code	Pack Q.ty
16A/25A	0	**270914**	1
16A with circuit breaker, 32A and 63A	0	**270916**	1

Characteristics: thermoplastic material.



Spare CAM rotary control switches for TAIS and ALUPRES interlocked socket-outlets

Rated current (A)	Poles	Type	Palazzoli code	Pack Q.ty
16	2P	CAM	**274834**	1
	3P	CAM	**274844**	1
	4P	CAM	**274854**	1
32	2P	CAM	**274837**	1
	3P	CAM	**274847**	1
	4P	CAM	**274857**	1
63	2P	CAM	**274808**	1
	3P	CAM	**274818**	1
	4P	CAM	**274828**	1
125	3P	CAM	**274938**	1
	4P	CAM	**274948**	1

Note: for 16A and 32A socket-outlets before 1990.



Spare signal lamps for TAIS and ALUPRES series socket-outlets with MCB

Rated current (A)	Rated voltage	Palazzoli code	Pack Q.ty
16-32-63	110V	**474951**	1
	230V	**474953**	1
	400V	**474955**	1



Spare circuit breakers for ULYSSE, TAIS and ALUPRES series interlocked socket-outlets

Rated current (A)	Poles	Breaking power (kA)	Trip curve	Palazzoli code	Pack Q.ty
16	2P	4,5	C	**474930**	1
	3P	4,5	C	**474931**	1
	4P	4,5	C	**474932**	1
32	2P	6	C	**474903**	1
	3P	6	C	**474904**	1
	4P	6	C	**474905**	1
63	2P	10	C	**474906**	1
	3P	10	C	**474907**	1
	4P	10	C	**474908**	1

Caution: the replacement of the spare part must be carried out by qualified personnel carefully following the instructions available by contacting Palazzoli technical assistance.



Spare transformer for 24V and 48V TAIS and ALUPRES series

Rated current (A)	Frequency	Rated voltage	Power (VA)	Palazzoli code	Pack Q.ty
16	50-60Hz	230/24V~	144	**471922**	1
	50-60Hz	400/24V~	144	**471932**	1
32	50-60Hz	230/48V~	720	**471908**	1
	50-60Hz	400/48V~	720	**471909**	1



ACS construction site distribution boards with 4 interlocked socket-outlets and TER Series fuse-holder base
IP55

Interlocked socket-outlets 16A 2P+⏚ 220V	16A 3P+⏚ 380V	32A 2P+⏚ 220V	32A 3P+⏚ 380V	Terminal/ Available Power	Palazzoli code	Pack Q.ty
3	1			4x25/20kW	**504101**	1

Equipment:
emergency stop device. 4 brackets for Ø 30 mm conduit installation and 4 plates for wall installation.
Characteristics:
power supply with cable, general circuit breaker curve C 6kA, 1 residual current circuit breaker 30mA and socket-outlet protection with fuses.



ACS construction site distribution boards supplied with cable, with 5 interlocked socket-outlets and TER IP55 Series fuse holder base
IP55

interlockedsocket-outlets 16A 2P+⏚ 220V	16A 3P+⏚ 380V	16A 3P+N+⏚ 380V	32A 2P+⏚ 220V	32A 3P+⏚ 380V	32A 3P+N+⏚ 380V	63A 3P+⏚ 380V	63A 3P+N+⏚ 380V	Trans. socket-outlet 16A 2P 24V 150VA	Terminal block/available power	Palazzoli code	Pack Q.ty
2		1			1		1		4x70/63kW	**505120**	1



ACS construction site distribution boards with 5 PRIMA Series interlocked socket-outlets and 2 UNEL/Dual amp domestic socket-outlets
IP55

Interlocked socket-outlets 16A 2P+⏚ 220V	16A 3P+⏚ 380V	32A 3P+N+⏚ 380V	Domestic socket-outlets 2P+⏚ 10/16A P30/P17 230V	Terminal/ available power	Palazzoli code	Pack Q.ty
2	2	1	2	4x70/33kW	**506154**	1

Equipment:
emergency stop device. 4 brackets for Ø 30 mm conduit installation and 4 plates for wall installation.
Characteristics:
power supply with cable, general circuit breaker curve C 6kA, 1 residual current circuit breaker 30mA, interlocked socket-outlet protection with fuses and domestic socket-outlet protection with circuit breakers 6kA.



ACS ENERGYBOX building site distribution board spare door kit

For distribution boards	Palazzoli code	Pack Q.ty
ENERGYBOX surface/zone	**501531**	1



Hinged transparent doors, in polycarbonate, for TAIS and ALUPRES series watertight socket-outlets

No. modules EN50022	Dimensions (mm)	Palazzoli code	Pack Q.ty
4	92x84x30	**538610**	10
6,5 o 7,5	152x84x30	**538620**	10
9 o 11	214x84x30	**538630**	5



Spare gaskets in non-ageing elastomer for TAIS and ALUPRES watertight socket-outlets

Windows finestre	Palazzoli code	Pack Q.ty
F0	**540000**	1
F1	**540001**	1
F2	**540002**	1
F3	**540003**	1
F4	**540004**	1
F5	**540005**	1
F6	**540006**	1



Spare screwcaps for Diazed fuseholder bases for TAIS and ALUPRES socket-outlets

Rated current (A)	Fuses type	Palazzoli code	Pack Q.ty
25	E16 (NDz) reduced	**347001**	10
25	E16 (NDz)*	**347002**	1
25	E27 (DII)	**347003**	50
63	E33 (DIII)	**347005**	50

* only for code 347082.



Spare diffuser for watertight wall-mounting panel signal lamps TAIS-MIGNON

Colour	Palazzoli code	Pack Q.ty
Red	**800091**	10
Green	**800092**	10
Yellow	**800094**	10
Transparent	**800093**	10



Spare lampholder E14 for TAIS-MIGNON signal lamps

Manufacture di material	Palazzoli code	Pack Q.ty
thermosetting (GRP)	**800100**	1



Spare extractor for TAIS-MIGNON fuses

For fuses	Palazzoli code	Pack Q.ty
ø 8,5x23 - 220 V	**302090**	10
ø 8,5x3,15 - 380 V	**302190**	10



Spare diffusers in clear ribbed glass for RINO and NAVE oval lighting fixtures UNAV 2135

Colour	Lighting fixture max. power	Palazzoli code	Pack Q.ty
Transparent	60W	**831512**	1
Transparent	100W	**831612**	1
Transparent	200W	**831712**	1



Spare diffusers in clear ribbed glass for round lighting fixtures RINO series

Colour	Lighting fixture max. power	Palazzoli code	Pack Q.ty
Transparent	100W	**830512**	1



Spare coils for ALARM and NAVE watertight sirens

Rated voltage	Sirens code	Palazzoli code	Pack Q.ty
24V~	900453	**900459**	1
110V~	900463	**900469**	1
230V~	900473	**900479**	1



Spare coils for ALARM and NAVE watertight bells

Rated voltage	For bell code	Palazzoli code	Pack Q.ty
24V~	900253, 900255	**900259**	1
110V~	900263, 900265, 900266	**900269**	1
230V~	900273	**900279**	1



Spare gaskets in non-ageing elastomer for RINO and NAVE oval lighting fixtures UNAV 2135

Lighting fixture max. power	Palazzoli code	Pack Q.ty
60W	**831540**	1
100W and 5-7W	**831640**	1
200W and 5-7-9W	**831740**	1



Spare gaskets in non-ageing elastomer for RINO round lighting fixtures

Lighting fixture max. power	Palazzoli code	Pack Q.ty
100W	**830540**	1



Safety lampholder E27 with bracket, for RINO series oval and round lighting fixtures

Manufacture material	Palazzoli code	Pack Q.ty
Porcelain	**819056**	10



Safety lampholder E27 with bracket, for RINO cylindrical lighting fixtures and NAVE portable fixtures UNAV 2137

Manufacture material	Palazzoli code	Pack Q.ty
Porcelain	**819055**	20



Spare diffuser for steel lighting fixtures

Lighting fixture max. power	Manufacture material	Diffuser colour	Palazzoli code	Pack Q.ty
18W	Polycarbonate	Transparent	**820020**	1
18W	Polycarbonate	Opaline	**820021**	1
36W	Polycarbonate	Transparent	**820030**	1
36W	Polycarbonate	Opaline	**820031**	1



Spare contact component for NAVE series watertight interlocked socket-outlets UNAV 1436

Socket-outlet code	Palazzoli code	Pack Q.ty
462151, 462131	**462931**	1



Spare terminal block for NAVE series wall-mounted blind watertight junction boxes UNAV 2181

Terminal block type	Palazzoli code	Pack Q.ty
4x6 mm^2	**115910**	1



Spare contact components for NAVE watertight control devices UNAV 2162

Devices code	Palazzoli code	Pack Q.ty
232616, 232626, 262636	**239611**	5
232627, 232637	**239612**	5
232628	**239613**	5



Spare contact component for NAVE series watertight socket-outlets UNAV 1435

Socket-outlet code	Palazzoli code	Pack Q.ty
461121, 461151, 461131	**461921**	1



Spare gasket in non-ageing elastomer for RINO series cylindrical lighting fixtures

Lighting fixture max. power	Palazzoli code	Pack Q.ty
60W	**819040**	1
100W	**819140**	1
200W	**831640**	1



Spare globe-holder ring in marine grey painted brass, for watertight lighting fixtures with NAVE series cylindrical diffuser UNAV 2134

Lighting fixture max. power	Palazzoli code	Pack Q.ty
60W	**819001**	1



Spare gasket in non-ageing elastomer for NAVE series watertight lighting fixtures UNAV 2133

Lighting fixture max. power	Palazzoli code	Pack Q.ty
60W	**850080**	1



Spare UNAV 1236.1 support with fixing screws for NAVE series lampholder for watertight lighting fixtures UNAV 2132

Lighting fixture max. power	Palazzoli code	Pack Q.ty
100W	**859188**	10



Safety lampholder E27 for lighting fixtures UNAV 2139

Manufacture material	Palazzoli code	Pack Q.ty
Porcelain	**819054**	1



Spare diffuser in smooth transparent glass for NAVE series large lighting fixtures UNAV 2139

Lighting fixture max. power	Palazzoli code	Pack Q.ty
300W	**850360**	1



Spare gasket in non-ageing elastomer for NAVE large lighting fixtures UNAV 2193

Lighting fixtures max. power	Palazzoli code	Pack Q.ty
Lighting fixture housing	**850380**	1
Globe-holder ring	**850381**	1



Spare handles for control devices CAM series

For control devices type	Palazzoli code	Pack Q.ty
for distribution boards, flush-mounting and cabinets 16/25A	**270901**	1
for distribution boards, flush-mounting and cabinets 40/63A	**270911**	1
for boxes, distribution boards and cabinets 100/200A, for socket-outlets 125A	**270921**	1



Spare lever for CAM distribution board control devices

For control devices type	Palazzoli code	Pack Q.ty
16/25A	**270941**	1
40/63A	**270951**	1
100/800A	**270961**	1



Safety lampholder E27 for NAVE watertight lighting fixtures UNAV 2108-2132 2133-2134 and 2135

Manufacture material	Palazzoli code	Pack Q.ty
Porcelain	**859180**	1



Cylindrical diffuser in smooth glass for NAVE watertight lighting fixtures UNAV 2132

Lighting fixtures max. power	Palazzoli code	Pack Q.ty
100W	**819160**	1



Spare handwheel for CAM distribution board control devices

For control devices type	Diameter	Palazzoli code	Pack Q.ty
100/800A	156	**270981**	1

REQUESTING SPECIAL PRODUCTS

What they are

By special products, we mean articles from the standard Palazzoli range which are modified according to the specifications of each customer. Any of the Palazzoli products can become special articles by using the following methods.

How to request them

After selecting the standard production item whose technical features are nearest to those of the desired article, please fill in the form on page 280, describing all the modifications to be made.
Send the form by fax to n° +39 030 2015258, where your request will be elaborated elaborated by the Palazzoli Technical Department who will perform a feasibility study.
The form must be completed fully with all the required details, so that you can easily be contacted if there are any queries regarding your request.

After defining all the characteristics of the special product, Palazzoli will develop a specific technique with the following:

- *product code*
- *technical characteristics*
- *dimensional drawings (if requested)*
- *electrical system drawings*
- *indicative weight (if requested)*
- *price list*
- *delivery times*

In the case of a negative outcome, you will be given back all the documentation and informed of the reasons for which the construction of the requested product has not been possible.

How to order them

If the specifications you have received are satisfactory to your needs, you may issue an order together with the product code of the special product. This product code is always preceded by an "S". (e.g. SP22160) and is to be found in the top left-hand corner of the Palazzoli technical specification.
Each code clearly identifies an article and is definitive once assigned.
This simplifies any future orders, which are made by just giving this code number.

Conclusions

The special product is a fundamental service for Palazzoli customers since it offers the best solution to every installation situation that has not been found in the standard catalogue range.

We remind you that all quotation, design and assistance operations are completely free.



SPECIAL PRODUCT
APPLICATION FORM

Form to be photocopied and sent to: Fax no. +39 030 2015258 or send to:
Palazzoli SpA - TECHNICAL DEPARTMENT - Via F. Palazzoli, 31 - 25128 Brescia (BS)

Personal details: In accordance with Italian Law 675/96, the information given shall be used for marketing and promotional purposes only.

First name: _____ Surname: _____

Company Name: _____

Address: _____ Street No. _____

Zip code _____ City: _____ Prov. _____

Tel.: _____ Fax: _____ E-mail: _____

Position: _____

Type of device:

Indicate the item produced by Palazzoli from which the required product is derived: _____

Quantity to be produced: _____

Modifications requested: _____

APPLICATION FORM FOR ELECTRIC DISTRIBUTION BOARDS

TECHNICAL SPECIFICATION

❑ Distribution board wired in the factory ❑ Wiring distribution board

DISTRIBUTION BOARD TYPE PROTECTION RATING REQUIRED

❑ ANS ❑ ACS ❑ IP _____

SERIES

❑ PRIMA Thermoplastic ❑ topTER Thermoplastic ❑ ULYSSE thermosetting (GRP) ❑ TAIS thermosetting (GRP) ❑ ALUPRES Aluminium alloy

ASSEMBLING SUPPORT

❑ On stand ❑ Metal Plate ❑ thermosetting (GRP) Plate

DISTRIBUTION BOARD ENTRY

❑ From above ❑ Side ❑ From below

CHOICE OF SOCKET-OUTLETS

Poles	Voltage	16A - Quantity	32A - Quantity	63A - Quantity	125A - Quantity
2P+T	_____	❑ _____	❑ _____	❑ _____	
3P+T	_____	❑ _____	❑ _____	❑ _____	❑ _____
3P+N+T	_____	❑ _____	❑ _____	❑ _____	❑ _____
With fuses		❑❑	❑❑	❑❑	❑❑
With Automatic		❑❑	❑❑	❑❑	❑❑
With Din Rail		❑❑	❑❑	❑❑	❑❑
Direct power supply		❑❑	❑❑	❑❑	❑❑
2P 144VA Trans.		❑ _____			
2P 720VA Trans.			❑ _____		

CHOICE OF PROTECTIONS

❑ Differential requested _____

❑ Automatic requested _____

❑ Other _____

PARTS LAYOUT DIAGRAM

Pursuant to what required by Art. 13 of Legislative Decree 196/2003, please be informed that your personal data will be stored in the database of the appointed Data Controller – PALAZZOLI SPA. The list of the persons in charge of processing personal data can be obtained from our head office. Your personal data will be used for contract purposes, it will not be distributed to any third parties, except to other group companies, to tax, legal or accounting advisors, to credit institutes, to shipping and transport companies, or to local authorities. Pursuant to Art. 7 of this aforementioned Legislative Decree, you are entitled to acknowledge, update, rectify and cancel your personal data, and exercise all other foreseen rights, with notice in writing to our company.

❑ I grant my consent for the processing of my personal data for marketing purposes.

SPECIAL PRODUCT REQUEST FORMS

Form to be unloaded in electronic format at address:
www.palazzoli.it/modulispeciali.htm and sent to: camspeciali@palazzoli.it

Form to be photocopied and sent to: Fax no. +39 030 2015258 or send to:
Palazzoli SpA - TECHNICAL DEPARTMENT - Via F. Palazzoli, 31 - 25128 Brescia (BS)

Personal details: In accordance with Italian Law 675/96, the information given shall be used for marketing and promotional purposes only.

First name: _____ Surname: _____

Company Name: _____

Address: _____ Street No. _____

Zip code _____ City: _____ Prov. _____

Tel.: _____ Fax: _____ E-mail: _____

Position: _____

Type of device:

Description:

Indicate the most similar article from the CAM series (optional):

Quantity to be produced: Delivery terms:

Electrical characteristics:

Rated current (A) In = No. of Poles:

Rated voltage (V) Un = Operating category:

Auxiliary contacts:

Rated current (A) In = No. of contacts:

Rated voltage (V) Un = **Note:** specify the characteristics in the enclosed layout

Execution:

☐ for distribution boards ☐ flush-mounted ☐ for cabinets with doorlock

in enclosures:

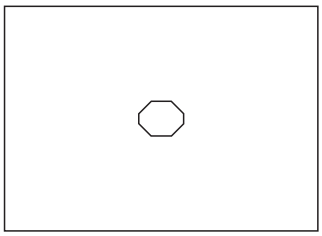
☐ insulating in thermosetting (GRP) material IP65	☐ in aluminium alloy IP55
Upper cable entry ☐ With Pg type cable gland diameter: _____ ☐ With blind flange	Upper cable entry ☐ With Gas type cable gland diameter: _____ ☐ With blind flange
Lower cable entry ☐ With Pg type cable gland diameter: _____ ☐ With blind flange	Lower cable entry ☐ With Gas type cable gland diameter: _____ ☐ With blind flange

Type of control:

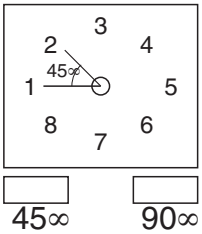
☐ Yellow/Red ☐ Grey/Blue ☐ Black
Locking option: ☐ in open position ☐ in closed position

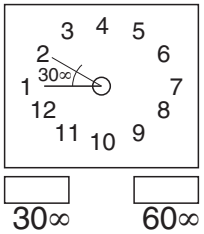
Functional layout of contacts:

	1	2	3	4	5	6	7	8	9	10	11	12	
													10
													9
													8
													7
													6
													5
													4
													3
													2
													1



Engravings on front-plate to be completed





Key to customisable contacts:

example ☒ = closed contact

☐ = open contact

☐ = _____

☐ = _____

☐ = _____

☐ = _____

Pursuant to what required by Art. 13 of Legislative Decree 196/2003, please be informed that your personal data will be stored in the database of the appointed Data Controller – PALAZZOLI SPA. The list of the persons in charge of processing personal data can be obtained from our head office. Your personal data will be used for contract purposes, it will not be distributed to any third parties, except to other group companies, to tax, legal or accounting advisors, to credit institutes, to shipping and transport companies, or to local authorities. Pursuant to Art. 7 of this aforementioned Legislative Decree, you are entitled to acknowledge, update, rectify and cancel your personal data, and exercise all other foreseen rights, with notice in writing to our company.

❑ I grant my consent for the processing of my personal data for marketing purposes.

CE directives and marking

EU Directives are to all intent and purposes mandatory reference laws applicable to all manufacturers, importers or distributors of EU Member States which aim to unify laws and liberalize the exchange of goods and services within the European Union itself. The core concept of the single European Market foresees free movement of goods within the EU, guaranteeing full health and safety conditions for people. To achieve such objectives, the various Member States are required to harmonize their juridical regulations and legislations. To this purpose, the EC Directives provide the general regulations and provisions applicable to sectors of families of products, including the various risk types, which are compulsory and must be adopted by al Member States of the European Union. A Directive is a document issued by the European Parliament and destined to the MSEU.
The Directive shall specify the date after which the Member States are required to align their legislation to the content of the Directive. The Directives are then transposed by the MSUE via national laws. A Directive becomes an applicable "law" (with juridical powers) from the moment the MS transpose it. From that moment onwards, for instance in reference to electrical goods, a product can only be marketed and installed in Europe if it complies with all the applicable Directive requirements and carries the CE marking. The manufacturer of the product shall verify which Directives are applicable to and must take all the technical and constructive precautions to ensure the product meets and complies with all the essential safety requirements stated in each Directive applicable to the same. Since 1985 the Community Directives focused on safety and applicable to products, including electrical goods, are the New Approach Directives, where the legislative harmonized is limited to the "essential safety requirements (ESR), or other requirements of collective interest, that the products being marketed must meet in order to be granted free movement within the Community. The task of defining in detail the features from a technical standpoint is delegated to "harmonized" Community technical standard, via the approved industrial standardisation bodies, which take into account the state of the art of the technology (such as, for instance, CENELEC - European Committee for Electrotechnical Standardisation). These technical specifications are not however mandatory. They are voluntary standards and provide presumption of conformity with the essential safety requirements of the reference Directive. To achieve conformity of a product with an applicable Directive, it undergoes a mandatory and very strict and severe conformity evaluation procedure which, if successful, terminates with the authorisation to affix the "CE" marking on the same. This procedure is divided into the following steps (in this order):

1) Identification of the Directives applicable to the product
2) Identification of the Reference Standard (optional)
3) Verification that the design complies with all standard requirements
4) Implementation of the required type tests
5) Drafting of the technical specifications
6) Definition of the manufacturing and control procedures
7) Drafting of the Declaration of Conformity
8) Affixing of the "CE" Marking

Certain EC Directives specify conformity assessment procedures that require the intervention of a "third party", namely a Notified Body (NB) which performs the type tests, verifies the level of conformity with the essential safety requirements and implements all required monitoring of the manufacturing and control procedures. In this case the intervention of the NB is mandatory.
When the intervention of the NB is not mandatory, the Manufacturer is nevertheless required to implement all the aforementioned steps of the procedure.

CE Marking

- The "CE" Marking on a product certifies its full conformity with all applicable Directives
- It is only valid when accompanied by:
  - Technical documentation that certifies the level of conformity, including the technical specifications and the user instructions;
  - Declaration of Conformity signed by the company's LEGAL REPRESENTATIVE. Please bear in mind that the Declaration of Conformity is a legal document which certifies conformity with the essential requirements of one or more Directives, and must list the Harmonized Standards used (including the year of reference) to provide presumption of conformity.
- The product must be distributed on the market with its CE marking, the Declaration of Conformity and the user instructions.

Difference between the CE Marking and "Marks" (IMQ or similar logo marks)

CE Marking

- legal Declaration of Conformity with all legal standards under the complete liability of the manufacturer
- Mandatory
- For Inspectors and pertinent authorities
- Valid and binding for the free movement of the product on European markets
- Affixed on the product, packaging, warnings or warranty

Mark

- affixed by an independent third party Body to certify conformity with the product Harmonized Standards
- Voluntary
- Requested by the market
- Acknowledged by industrial countries
- Affixed on the product, catalogues

Main Directives applicable to electrical products

- Low Voltage Directive (LVD) 2006/95/EC (former 73/33/EEC): its scope of application includes all electrical equipment destined for use at a voltage rating of between 50 and 1000 V AC and 75 and 1500 V DC.

- Electromagnetic Compatibility (EMC) 2004/108/EC (formerly 89/336/EEC) applicable to all products regardless of the operating voltage range, which foresees that:
  • the electromagnetic disturbance generated by the products is limited to a level which allows radio and telecommunications equipment and other similar devices to operate as intended;
  • the products shall have a suitable level of intrinsic immunity against electromagnetic disturbance which enable them to operate correctly as intended.
- ATEX 94/9/EC Directive: this applies to all products intended for use in potentially explosive atmospheres, not just electrical ones.
- Other directives that are applicable according to the product type.

Harmonised standards

The manufacturer of a product can fulfil the essential safety requirements (ESR) of an EC Directive using the technical specifications in Harmonized Standards. The conformity of the product with such Standards guarantees the Presumption of Conformity with the reference Directives. The Harmonized Standards which guarantee the presumption of conformity with a Directive applicable to a given product, are only those published in the Official Journal issued by the European Union in a reference list for the specific Directive. The publication in the OJ guarantees the Presumption of Conformity of the Harmonized Standard with the Directive ESR. The use of Harmonized Standards is not mandatory: it is voluntary and guarantees the PC with the ESR. CENELEC is the European Standardization body that has the task of harmonizing the standards in the electrical sector, ensuring that they comply with all the ESR, and CENELEC. They harmonize worldwide technical standards issued and published by IEC, checking for conformity of all the HR with the ESR and, when the technical specifications are able to guarantee such conformity, the EC published the list of such Standards in its OJ. The procedure is as follows: CENELEC verifies conformity of an IEC Standard with the ESR of the reference Directive and Harmonizes the standard (e.g. EN 60947); In Italy, CEI (Italian Electrotechnical Committee) is the national standard body that publishes the harmonized standards (e.g. IEC EN 60947); the European Commission publishes the EN harmonized standard in the list of reference standards for the applicable Directive and, from that moment in time, the application of the published Harmonized Standard guarantees the presumption of conformity with the ESR of this specific Directive.

Standard conformity marks

Conformity with the Harmonized Standard can be certified in different ways according to the level of applicability of a Directive to the product:

- EC Directive prescribes the obligation of the intervention of an ON.
  The ON verifies conformity and issue an "EC type certificate" (see note)
- EC Directive does not prescribe the obligation of the intervention of a ON and the manufacturer shall choose to use the Harmonized Standard to evaluate conformity.
  The Manufacturer is the party that applies the Standards and verifies relative conformity via type tests.
- EC Directive does not prescribe the obligation of the intervention of a ON and the manufacturer shall choose to use the Harmonized Standard to evaluate conformity.
  The Manufacturer can request an independent body to verify conformity with Standards via type tests and affix the relative mark.
- The product is not subject to the application of any Standards.
  The Manufacturer can decide to apply Standards which are appropriate for the product (if available) and can request an independent body to verify conformity with such Standards via type tests and affix the relative mark.

Examples of Conformity Marks with European and Non EU country Standards

(European Norms Electrical Certification) voluntary certification for lamps and relative components, electrical goods, electronic goods, controls and switches, electric condensers etc. Certifies conformity of a product with European Harmonised Standards

Voluntary Registered Safety Mark that certifies conformity with the Harmonized Standard and the German VDE Standards (origin: Germany)

Voluntary Registered Safety Mark that certifies conformity with the Harmonized Standard and the Italian ICE Standards (origin: Italy)

UL "Listed". The affixing of this mark on a product certifies that samples representing the product have been evaluated by UL and comply with the essential UL requirements. Such requirements refer to the safety standards published by UL itself

Japan. As foreseen by the Law on safety requirements for electrical devices and materials (DENAN), the PSE Mark is mandatory in Japan. It is managed by the Ministry of Economy, Trade and Industry in Japan (METI)

Japan. Voluntary use in Japan for electrical equipment

Russia. (Gosudarstvennyj Standart). This certifies conformity with Russian national standards. It is mandatory for the Russian market.

Ukraine. The Ukraine standardisation agency – Derzstandard – has introduced a product certification system UkrSEPRO. Consequently, verification obligations are now imposed on a large number of products, The important products that carry a Ukraine conformity mark verify conformity with the UkrSEPRO system. A UkrSEPRO Mark is hence an essential requisite

Standards and testing

The standards and tests taken into consideration, are the CENELEC harmonized technical standards that provide PC with EU Directives. All tests referred to in the prescription of certain product standards have been taken into consideration concerning the main equipment manufactured by Palazzoli, such as for instance:

- EN 60947 "Low Voltage Equipment" series;
- EN 60309 "plugs and sockets for industrial use" series;
- EN 60439 “Assembled devices for protection and manoeuvre for low voltage purposes (LV electrical panels);

Glow-wire-test (EN 60695 series standards)

This is a test conducted on plastic material use to manufacture equipment and is necessary to determine its behaviour in situations of excess heat and fire. This test checks the reaction of a given insulation part after overheating of adjacent metal parts caused by faulty connections or system malfunctions.
A glow wire coil is pressed into the specimen for 30 seconds, penetrating up to 7 mm. A sheet of tissue paper is put under the point of contact. The temperature of the wire required by the Standards (e.g. EN 60309-1 are 850°C for items used for holding parts that carry currents and for earthing circuits, and 650 °C for other insulating parts.
The test is considered to have a positive outcome (specimen or product resists the testing temperature) if the specimen or the product does not catch fire, or if it extinguishes within 30 seconds of the wire being removed without burning entirely and without causing continuous burning of the tissue paper beneath.

UL Self-Extinguishing Test (in conformity with the Underwriter’s Laboratories USA UL94 Standard and EN 60695 Series Standards)

This is a procedure which foresees the application of a flame, horizontally or vertically, to test a given plastic material, in order to assign a flame resistance classification category. The testing method is normally used as a “pre-selection test” to select the most suitable material to manufacture a given piece of equipment, but can also be used to verify the behaviour of the finished product in the presence of fire. The standard foresees two different methods placing the sample piece in a horizontal or vertical position. The horizontal position (HB horizontal combustion) is suitable for evaluating the burnt length and/or flame propagation speed (linear combustion speed)
The vertical position (V vertical combustion) is suitable for evaluating the burnt length after the flame has been removed.
The results given by the HB and V methods are not equivalent.

Horizontal flame test, the flame is applied for 30 seconds and then is checked to see if, when the flame is removed, the specimen continues to burn and if the flame front reaches the limit of 100 mm from the flame application point, measuring the propagation speed. The material is classified as:

1. HB40 if one of the following criteria are present:
   - It does not burn when the flame is removed
   - The specimen continues to burn with a flame but, when the flame is removed, the front does not exceed 100 mm,
   - If the front exceeds 100 mm, it must not have a linear speed of > 40 mm/min.
2. HB75 if the linear speed is > 40 but < 75 mm/min, when the front exceeds 100 mm.

Vertical flame test, a burner with a vertical flame is placed in line with the specimen positioned at a longitudinal angle with the burner. A cotton pad is placed under the specimen, the flame is applied to the lower edge of the specimen for 10 seconds and is then removed. The time t1 that any residual flame on the specimen lasts until it self-extinguishes is recorded. The vertical flame is applied again for 10 seconds and the burner is then removed. The time t2 that the residual flame persists is recorded, along with time t3 which measures residual incandescence t3. Tests are conducted on 10 specimens, 5 of which are conditions and 5 are unconditioned.

Classification	Criteria:		
	V-0	V-1	V-2
Duration of the residual flame on each specimen (t1 and t2)	≤ 10 s	≤ 30 s	≤ 30 s
Duration of the residual flame on the total batch t1	≤ 50 s	≤ 250 s	≤ 250 s
Duration of the residual flame + incandescence after the second application (t2 + t3)	≤ 30 s	≤ 60 s	≤ 60 s
Did the residual flame and/or residual incandescence reach the holder?	NO	NO	NO
Did the cotton pad catch fire due to flaming particles or drops?	NO	NO	YES

Testing for Resistance to surface currents
Trace resistance index (CTI EN 60112 Series Standards)

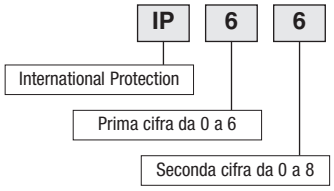
The plastic materials are used primarily for the insulating qualities. Therefore, when designing electrical equipment that carries current (switches, circuit breakers, plugs and sockets etc.) the electrical quality of the insulating material is of fundamental importance.
The definition of the trace resistance index of a material provides an indication of the voltage that the material is able to stand up to before giving way to the pollution.

THE SURFACE OF INSULATING MATERIAL SPECIMEN BEING TESTED IS PLACED HORIZONTALLY AND TWO PLATINUM ELECTRODES ARE PLACED ON IT, 4 MM APART, AND CONNECTED TO A 50Hz POWER SOURCE. Alternating current of from 100 to 600 V is applied to the electrodes.
One drop of electrolytic solution in distilled water is applied between the two electrodes every 30 seconds. The test result is positive if no permanent shocks occur between the electrodes before the 50 drops have been applied.
The results naturally depend on the value of the test voltage applied to the electrodes, as this is assumed to be the resistance index to surface currents (PTI or CTI indexes).

Enclosure Ingress Protection Rating - IP Protection Rating

IP protection rating is the code system used to indicate the levels of protection of casings against the ingress of hazardous parts or the penetration of solid foreign bodies, and/or water ingress.
According to the installation environment, the level of pollution (presence of dust, metal or non-metal particles, humidity etc) or the presence of water, an electric device protected by enclosure may encounter penetration of solid bodies and/or water inside the enclosure and this can come into contact with live parts, generating hazards and/or undesired phenomena such as ground current, tracking, electrical arcing, short circuits etc.
For this reason Product Standards foresee the verification of the IP protection rating (in some cases the minimum threshold is also stated) and the Plant Regulations require the minimum IP protection rating according to the installation environment.
Furthermore, the IP protection rating allows the implementation of protection for persons against direct contact.

IP Code structure



First figure: protection against the ingress of hazardous parts and the penetration of solid foreign bodies

IP 0X	IP 1X	IP 2X	IP 3X	IP 4X	IP 5X	IP 6X
No protection	Protection against access to dangerous parts by the back of the hand. Protection against solid foreign objects with a diameter of 50 mm.	Protection against access to dangerous parts by fingers.	Protection against access to dangerous parts with tools (e.g. screwdriver).	Protection against solid foreign objects with a diameter of 2.5 mm. Protection against access to dangerous parts with a wire.	Protection against solid foreign objects with a diameter of 1 mm. Protection against the demaging penetration of dusts.	Complete protection against dust. (dust cannot penetrate.)

Seconda cifra: protezione contro l'ingresso di acqua
Fino alla seconda cifra caratteristica 6 compresa, la designazione implica la conformità anche ai gradi di protezione inferiori.

IP X0	IP X1	IP X2	IP X3	IP X4	IP X5	IP X6	IP X7	IP X8
No protection	Protection against vertical falling drops of water.	Protection against vertically falling drops of water with an enclosure angled up to 15°.	Protection against rain. (at up to 60° difference to the vertical).	Protection against splashed water (from all directions).	Protection against jets of water (from all directions).	Protection against poweful jets of water (from all directions).	Protection from damage by temporary immersion.	Protection from damage by continuous immersion, in conditions agreed between the manufacturer and the user.

Up to second characteristic figure 7 included:
..."Enclosures designated with a 7 or 8 as the second figure is deemed not suitable for exposure to water jets (designated with a 5 or 6 as the second figure) and does not require compliance with 5 or 6 grade requirements unless it has been assigned a double code as follows:

Jets of water second characteristic figure	Temporary or continual immersion second characteristic figure	Designation and marking	Applications
5	7	IPX5/IPX7	Double
6	7	IPX6/IPX7	Double
5	8	IPX5/IPX8	Double
6	8	IPX6/IPX8	Double
-	7	IPX7	Simple
-	8	IPX8	Simple

The enclosures indicated for double applications seen in the last column, must meet the requirements for water jets and temporary or continual immersion.
The enclosures indicated for simple applications seen in the last column, are only suitable for temporary or continual immersion and are not suitable for water jets.

Enclosure Protection Rating against mechanical damage - IK Rating (EN 50102 Standard)

IK Code structure

Codice IK	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Forza d'urto in Joules	*)	0,15	0,2	0,35	0,5	0,7	1	2	5	10	20

*) Nessuna protezione.

Chemical resistance

The chemical resistance of insulating materials depends on a number of factors, specifically: type of chemical agent, concentration, exposure time, temperature, product manufacturing process and any internal voltage or external mechanical actions. This means that it is too difficult to summarize, in a quick reference table, the properties of a certain product that has been subjected to the action of one or more chemical agents, in many different conditions of installation and use. The table given below can therefore be used as a guideline for initially assessing the suitability of use of Palazzoli equipment and enclosures in environments where certain chemical agents may be present. The data below refers to average operating temperatures of max. 35°C over 24 hours and max. temperatures of 40°C.YOU ARE STRONGLY ADVISED TO CONTACT PALAZZOLI when installing equipment in environments with the constant presence of chemical agents, especially if in a high concentration or in temperatures above those indicated. N.B. The operating temperature is often much higher than the ambient temperature, as electrical equipment heats up during normal operation.

Resistance to chemical and atmospheric agents

	Water	Saline atmosphere	UV Rays	Sulphuric acid 23%	Chloride acid 23%	Acetic acid 23%	Hexane	Benzyl	Gasoline	Acetone	Ammonia	Dichloromethane	Diesel oil	Mineral grease and oils	Food-grade grease and oils	Perchloroethylene	Trichloroethylene	Ethylene	Toluol	Methanol/ethylic alcohol	Wine	Fruit juices	Washing digesters	Detergents
Thermoplastic																								
high resistance				•	•	•					•			•										
limited resistance	•	•	•				•	•	•	•		•	•		•	•	•	•	•	•	•	•		
Thermosetting (GRP)																								
high resistance	•	•	•	•	•	•	•		•		•		•	•	•			•	•	•	•	•	•	•
limited resistance								•		•		•				•	•							
Aluminium																								
high resistance	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
limited resistance																								

CARATTERISTICHE DEI MATERIALI

	POSITIVE ASPECTS	NEGATIVE ASPECTS
Polycarbonate (PC)	high impact resistance high protection level light good resistance to chemical agents good resistance to temperatures self-extinguishing easily processed using standard tools and equipment good thermal insulating characteristics also outdoors also transparent	due to the use of fibreglass, optimal colours are relatively difficult
Acrylonitrile-butadiene-styrene (ABS)	economical minimum weight good resistance to chemical agents easily processed using standard tools and equipment	lower impact resistance than PC lower admissible temperature than PC insufficient UV Ray resistance not suited for use outdoors transparent version is not available
Thermosetting (GRP)	good thermal insulating characteristics excellent impact resistance good anti-corrosion resistance good resistance to chemical agents ideal for high industrial applications	difficult to process cannot be recycled
Aluminium (AL)	lighter than steel high impact resistance good resistance to chemical agents excellent heat resistance excellent anti-corrosion resistance	
Varnished steel	excellent impact resistance high protection level simple processing	corrosion risk
Stainless Steel (AISI 304)	high impact resistance high protection level excellent anti-corrosion resistance excellent UV Ray resistance also outdoors ideal for industrial use ideal for food industry use	more difficult processing of varnished steel
Stainless steel resistant to saline atmospheres (AISI 316L)	as AISI 304 and also: high anti-corrosion resistance ideal for the off-shore industry ideal for paper based industrial use	more difficult processing of varnished steel
Brass (Cu - Zn)	good resistance to corrosion. good thermal conductivity good electric conductivity excellent impact resistance even at low temperatures simple hot and cold processing recyclable	

Reference Harmonized Standards:

EN 60947-1 - "Low Voltage Equipment - part 1: General requirements";
EN 60947-3 - "Low Voltage Equipment - part 3: disconnector switches, isolator switches, disconnector-isolator switches and combined fused units."

A few definitions (pursuant to EN 60947-1 and EN 60947-3 Standards)

Disconnector switch (mechanical)
Mechanical disconnecting device, able to close, carry and break currents in normal circuit conditions that can include specific overload disconnect conditions, and also carry, for a specific length of time, currents in specific abnormal conditions of the circuit such as those which occur when there is a short-circuit. A disconnector switch is able to close, but not break short-circuit currents.

Isolator switch
A mechanical disconnecting device that can meet all the specific circuit breaker requirements when open. An isolator switch is able to open and close a circuit when, after such an action, a minor current is interrupted or enabled, and when there is no significant variation in voltage between the clamps of each of the isolator switch poles. It is also able to carry currents in normal circuit conditions and carry, for a specific period of time, currents in abnormal conditions such as those caused by a short-circuits.

Disconnector-isolator switch
A disconnector switch that can meet all the specific isolator switch requirements when open.

Sized used to define a device	Definition
Rated operating voltage (Ue)	Voltage value that, together with the rated operating current, determines the use of the device and to which devices the tests and utilisation categories refer to.
Rated insulation voltage (Ui)	The rated insulation current of a device is the voltage to which the dielectric and surface insulation distance tests refer. It always exceeds Ue.
Rated impulse seal voltage (Uimp)	Peak value of an impulse voltage with specific form and poles that the device can endure without failure in specific test conditions to which the air insulation distance values also refer.
Rated operating current	Rated current declared by the Manufacturer according to the utilisation category.
Conventional thermal current in free air (Ith)	The conventional thermal current in free air is the maximum value of testing current to be used during tests on heating devices without enclosures, in free air.
Conventional thermal current in enclosures (Ithe)	Current value used for heat tests on devices when a specific enclosure is mounted.
Rated short time current allowable (Icw)	Value of the short duration current (1s) that the device is able to endure without damage under short-circuit testing conditions.
Rated short-circuit closing capacity (Icm)	The short-circuit closing power value assigned to the device at rated operating voltage, rated frequency (if applicable) and one specific output factor value (or time constant). This is expressed as the maximum foreseen current peak value.
Rated conditional short-circuit current	Presumed current value declared by the Manufacturer that the equipment, protected by a protection device specified by the Manufacturer, can endure for the intervention time of the same protection device.

Disconnector switches, isolator switches and disconnector-isolator switches are divided into user categories according to the type of load in accordance with the EN 60947-3 Standard. The Standard indicates performance specifications for each category of devices in terms of their ability to open, close the circuit and create short-circuit current. Each utilisation category is characterised by different current and voltage values, expressed as multiples of nominal operating current and nominal operating voltage and the circuit output factor (or time constant). The utilisation category is further designated using the suffixes A or B, according to whether or not the applications require frequent or occasional operations. The utilisation categories with suffix B are suitable for devices that are intended for occasional operations only, according to the project or application. This could, for instance, be applied to isolator switches which are normally used to guarantee disconnection during maintenance work or to control devices only. The distinction between frequent and occasional operations is based on the nominal operating values and the number of operating cycles used for testing.

The charts below summarise the meanings of the utilisation categories.

Sectioning and disconnecting of voltage circuits

Type of current	Utilisation category		Typical applications
	frequent operation	infrequent operation	
Alternating current	AC-20A (*)	AC-20B (*)	Connecting and disconnecting under no-load conditions
	AC-21A	AC-21B	Control of resistive loads with moderate overcurrents
	AC-22A	AC-22B	Control of mixed, resistive and inductive loads with moderate overcurrents
	AC-23A	AC-23B	Control of motors or other highly inductive loads
Direct current	DC-20A (*)	DC-20B (*)	Connecting and disconnecting under no-load conditions
	DC-21A	DC-21B	Control of resistive loads with moderate overcurrents
	DC-22A	DC-22B	Control of mixed, inductive and resistive loads with moderate overcurrents (e.g. junction motors)
(*) The use of these utilisation categories is not permitted in the USA.	DC-23A	DC-23B	Control of highly resistive loads (e.g. motors in series)

Motors start

Type of current	Category	Typical applications
Alternating current	AC-2	Slip-ring motors: starting, plugging (*1), stopping
	AC-3	Squirrel-cage motors: starting, stopping of motors during the rotation
	AC-4	Squirrel-cage motors: starting, plugging (*1), inching (*2)
Direct current	DC-3	Junction motors : starting, plugging (*1), inching (*2), dynamic motor plugging in DC
	DC-5	Motors in series: starting, plugging (*1), inching (*2), dynamic motor plugging in DC

(*1) plugging means the stopping or reversing of operations, inverting the primary connections of the motor whilst it is still running.
(*2) inching refers to a command characterised by one or more short breaks of the power supply circuit in order to jog the motor.

The AC-23A category, not only guarantees a high disconnecting level, but also the disconnection of individual motors or highly inductive loads (for instance arc welders etc) that could be mounted on the utilisation plant. The AC-23A category is also able to close currents of 10 times the rated operating current (c.a.) and interrupt a current which is 8 times the rated operating current (c.a); this guarantees its eligibility for use in overload conditions. To conclude, an AC23A isolator-disconnector switch is suitable for use in the following operating situations on circuits that provide power to motors or highly inductive loads: Sectioning; Command (high disconnecting level); Maintenance; Open and close the circuit in overload conditions.
The utilisation categories indicated in the chart above are not applicable to equipment that is normally used to start, accelerate and/or stop individual motors. The utilisation categories for such equipment are reviewed in Annex A – Part 3 of the Standard (basically the same specifications indicated in the corresponding articles in the EN 60947-4-1 Standard, for electromechanical starters and meters). The above chart on the right summarises the meanings of the utilisation categories for equipment suitable for direct disconnecting of individual motors. To conclude, to perform motor start and stop operations, the equipment must be classified as AC-3, which is suitable for stabilising and breaking current equal to 8 times the rated operating current and therefore operate in overload conditions.

	Closing and opening power tests					Operating performance tests					
Comparison between the test values for the AC23-A and AC-3	VTest	VTest		cosφ	N. oper.	VTest	VTest		cosφ	VTest	
		Closes	Opens				Closes	Opens		empty	load
AC-23A	1,05 Ue	10 Ie	8 Ie	0,45/0,35	5/3	Ue	Ie	Ie	0,65	8500	1500
AC-3	1,05 Ue	8 Ie 10 Ie	8 Ie -	0,45/0,35	50 50	1,05 Ue	2 Ie	2 Ie	0,45/0,35	-	6000

The use of category AC23A and AC-3 isolator-disconnector switches covers most applications on industrial plants and systems, as they are also suitable for use following a high number of disconnections and in overload conditions.
The above indicated performance data for the CAM-ST Series and CAM Series isolator-disconnector switches was obtained from using dual breaker cells with robust pads in Ag which guarantee the best possible performance of closing/opening powers, performances in short-circuit conditions and they also allow a high number of disconnecting episodes without losing their characteristics of high electrical reliability and durability.

Reference standards

Socket-outlets and plugs General characteristics:	Socket-outlets and plugs Standardization	Level of protection
CEI EN 60309-1	CEI EN 60309-2	CEI EN 60529
IEC 309	IEC 309-2	IEC 529
CEI 23-12/1	CEI 23-12/2	CEI 70-1

Summary table of main types

Industrial socket-outlets and plugs in compliance with the CEI EN 60309-1, CEI EN60309-2, CEI 23-12/1 and CEI 23-12/2 Standards.

LOW VOLTAGE OVER 50V, UP TO 500V

2P + T	3P + T	3P + N + ⏚
100 ÷ 130V 50 and 60 Hz yellow — 4 h	**100 ÷ 130V** 50 and 60 Hz yellow — 4 h	**57/100 ÷ 75/130V** 50 and 60 Hz yellow — 4 h
200 ÷ 250V 50 and 60 Hz blue — 6 h	**200 ÷ 250V** 50 and 60 Hz blue — 9 h	**120/208 ÷ 144/250V** 50 and 60 Hz blue — 9 h
380 ÷ 415V 50 and 60 Hz red — 9 h	**380 ÷ 415V** 50 and 60 Hz red — 6 h	**200/346 ÷ 240/415V** 50 and 60 Hz red — 6 h
	440 ÷ 460V 60 Hz red — 11 h	**250/440 ÷ 265/460V** 60 Hz red — 11 h
480 ÷ 500V 50 and 60 Hz black — 7 h	**480 ÷ 500V** 50 and 60 Hz black — 7 h	**277/480 ÷ 288/500V** 50 and 60 Hz black — 7 h
> 50V 50 and 60 Hz for supply through insulation transformer (coloured according to voltage) — 12 h ▲	**> 50V** 50 and 60 Hz for supply through insulation transformer (coloured according to voltage) — 12 h ▲	
> 250V 50 and 60 Hz direct current coloured according to voltage — 8 h	**380V** at 50 Hz and **440V** at 60 Hz for refrigerated containers red — 3 h	**220/380V** at 50 Hz **250/440V** at 60 Hz for refrigerated containers - red — 3 h
> 50V 100 ÷ 300 Hz green — 10 h*	**> 50V** 100 ÷ 300 Hz green — 10 h	**> 50V** 100 ÷ 300 Hz green — 10 h*
> 50V > 300 ÷ 500 Hz green — 2 h	**> 50V** > 300 ÷ 500 Hz green — 2 h	**> 50V** > 300 ÷ 500 Hz green — 2 h
> 50 ÷ 250 V direct current coloured according to voltage — 3 h ▲		

VERY LOW VOLTAGE UP TO 50V

2P	3P
20 ÷ 25V 50 and 60 Hz violet — -	**20 ÷ 25V** 50 and 60 Hz violet — -
40 ÷ 50V 50 and 60 Hz white — 12 h	**40 ÷ 50V** 50 and 60 Hz white — 12 h
20 ÷ 25V 40 ÷ 50V 100 ÷ 200 Hz green — 4 h	**20 ÷ 25V 40 ÷ 50V** 100 ÷ 200 Hz green — 4 h
20 ÷ 25V 40 ÷ 50V 300 Hz green — 2 h	**20 ÷ 25V 40 ÷ 50V** 300 Hz green — 2 h
20 ÷ 25V 40 ÷ 50V 400 Hz green — 3 h	**20 ÷ 25V 40 ÷ 50V** 400 Hz green — 3 h
20 ÷ 25V 40 ÷ 50V > 400 ÷ 500 Hz green — 11 h	**20 ÷ 25V 40 ÷ 50V** > 400 ÷ 500 Hz green — 11 h
20 ÷ 25V 40 ÷ 50V direct current white — 10 h	

★ Not yet normalised

▲ Normally supplied in light blue

(2h) (3h) (4h) (6h) (7h) (8h) (9h) (10h) (11h) (12h) These indicate the direction of the earth contact or the auxiliary reference, according to the position on the 'clock', looking at the socket from the front and placing the reference point to 6 o'clock.
In the boxes are shown the tag colours of the sockets and plugs as provided by the regulations for the various operating voltages. However, the colouring for the devices is optional and may be limited to only part of them.

Technical system aspects

What are the risks an operator is exposed to when connecting and disconnecting plugs and if there is a fault in the connected devices?

a) When a plug is connected or disconnected, or during maintenance work operators are exposed to direct contact risks. If the fixed socket constitutes a mass, there is also a risk of indirect contact.

b) When a plug is connected or disconnected, the operator can be exposed to electrical arc effects which are generated when stabilising and interrupting current during loaded disconnections. The geometry of industrial plugs and sockets is designed so that the electric arcing between the jack-plug and socket contact occurs within a closed chamber which can cause external emission of gas, fumes and incandescent particles. This effect can be hazardous for the operator in short-circuit conditions of the user device downstream.

A short—circuit current is broken by protection devices (fuses or automatic breaker switches) within the time foreseen for such intervention specifications. The arc electricity that develops hence depends on the type of protection installed on the socket power supply circuit. Laboratory tests conducted on 16 A plugs and sockets, have shown that when the presumed SC current exceeds 4-5kA, the arcing can be hazardous (potentially explosive violent expulsion of gas).

c) When a plug is connected or disconnected, the presence of solid dust type particles, can effect the arcing conductor route via the air dielectric between the jack-plug and socket contact. The effect can be hazardous if the resistivity of the dusts reaches a level that can be classified as a conductor, which extends the development of the electric arcing and the arc power. The same phenomenon can occur inside the jack-plug/socket contact coupling chamber in the presence of water.

d) There are also environmental based risks such as, for example: fire, where electrical components must not act as a trigger agent, when operating, nor as a propagation agent of the fire itself; impact, ambient temperature (minimum and maximum) etc.

Risk prevention:

Risk a) the plug and socket must be designed to prevent direct and indirect contacts. One way to prevent direct contact, apart from the engineering features of the plug and sockets, is to construct a socket that can operate without current, using a downstream circuit breaker.

Risk b) On plant systems powered by their own substation cabin (TN systems) there is the possibility that the system characteristics and distribution aspects generate presumed SC currents which are well over 4 kA, also at a plug and socket level (end section of the system). For instance, according to the substation power, the distance of the distribution panels from the cabin etc. To prevent type b) risks it is recommended to connect and disconnect the plug in the socket when the current is switched off. Even if the devices are often fitted with their own control switch, experience shows that operators rarely use them. It is therefore clear that you cannot rely on them using the line protection switch upstream of the socket. The connection and disconnection of the plug from fixed sockets when the current is switched off can be guaranteed by installing an interlock switch immediately upstream of the socket. In this case we are looking at interlocked plugs and socket outlets with an upstream switch disconnector (socket with interlock switch).

Risk c) To prevent this risk it is necessary that the enclosures of the fixed socket and plug are produced in a way that guarantees suitable IP protection rating coupling, according to the characteristics of the installation environment. The minimum IP protection rating for electrical components is chosen by the engineer/installer according to the presence of dust (IP5X or IP6X), water (IPX4, IPX5, IPX6 or IPX7), according to the operations to be performed (cleaning using water jets, automatic fire extinguisher system, installation outdoors etc.).

Risk d) System components must never be the cause of starting a fire, they must operate at non-hazardous temperatures, the enclosures must never externally propagate sparks, gas or incandescent parts etc. To this purpose the CEI 64-8 plant system standard provides specifications on the choice of suitable equipment for installation in particular environments (with higher risks of fire, public event locations etc.) Moreover, the electrical components must not propagate a fire started by other causes and this same Standard also provides advice on how to create such a system and choose the relative components. For instance, section 751, part 7 of CEI 64-8 Standard (part on MA.R.C.I locations), requires a glow wire of 650°C rather than 550°C as required for normal environments.

Based on the risks caused by handling and maintenance, we have seen in which situations is recommended to install interlocked plug sockets. Systems with presumed SC current of over 4 kA at the sockets can, for instance, be used in industries, artisan workshops, systems with their own substations for third party activities (hospitals, shopping centres etc) public entertainment and event locations (sports centres, stadiums, theatres, cinemas and multi-cinemas etc). The CEI 64-8 Standard enforces the use of interlocked sockets for current over 16 A in public entertainment and event locations (CEI 64-8/7:2007, section 752).

More generally, part 5 of the CEI 64-8 Standard (choice and installation of electric components) for the other environments, requires that the plugs and sockets with a rated current of over 16 A, must be fitted with a control switch. The mandatory interlock device imposed by this Standard is only applicable for public entertainment and event locations.

THE CONSTRUCTION SPECIFICATIONS REQUIRED BY THE CEI EN 60439-4 STANDARD







The plant system standard requires all electric distribution switchboards in construction and demolition yards to comply with the specifications set forth in European standard EN 60439-4) (CEI 17-13/4). Construction yard switchboards must be AS type only, i.e. all parts undergo type tests designated as ACS type. This means that every item must comply or be similar to a prototype which has undergone all the type tests required by the EN 60439-4 Standard. Palazzoli, in collaboration with CESI, has tested 300 ACS type switchboards from the ENERGY BOX Series. If the instructions are abided by and the documents provided by Palazzoli are all compiled, these configurations can be reproduced by cable layers with no need for any further laboratory tests. Palazzoli's Predefined Construction System provides for the creation of distribution switchboards with plug sockets for PRIMA horizontal interlocked socket series, topTER interlocked sockets and fixed sockets giving the installation operators the choice between cabled and pre-assembled versions.

The practical guide providing instructions on your ACS switchboard with the PRIMA and topTER series can be downloaded from the website. These instructions provide step-by-step guidance on how to choose the codes and compile the documents to be submitted to the inspectors assigned to safeguarding the Occupational Health and Safety of plant operators



The technical file: ancillary documents

The CEI standard defines the manufacturer as the subject responsible for the switchboard.
It may be the primary manufacturer of the predefined system, if the switchboard is sold complete, or the final manufacturer, the installer or switchboard experts. In the latter case, it is necessary to compile the following forms:

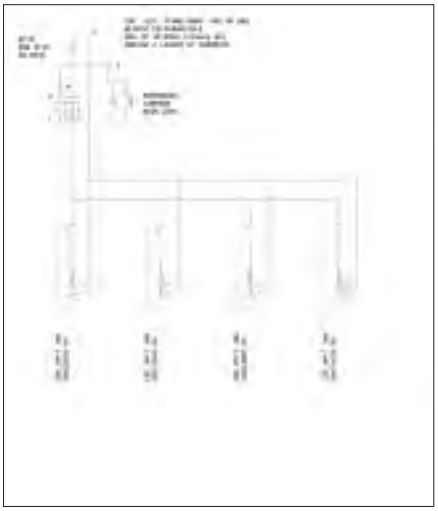
1) ACS switchboard identification data
2) Declaration of Conformity issued by Palazzoli;
3) Declaration of EC Conformity;
4) Individual tests;
5) Wiring Diagram













These forms are provided in electronic format attached to Palazzoli's Predefined Construction System Guide. The affixing of an indelible data plate in a clearly visible position which can easily be read when the equipment has been installed is mandatory.

ELECTRICAL APPARATUS IN POTENTIALLY EXPLOSIVE ATMOSPHERES

Responsabilities

The Manufacturer of Electrical Apparatus

The apparatus intended for use in explosive atmospheres, must be designed and constructed in a manner which does not generate any source of ignition. In Europe, electrical apparatus intended for installation in explosive atmospheres are required to comply with EC Directive 94/9/CE (ATEX) Standards and can ONLY be distributed on the European market if they meet such Directive requirements. The constructor is obliged to classify the apparatus, according to the safety levels reached by the engineering principles used to construct the product; the user can then make the correct choice for their type of zone. According to the category declared, the Manufacturer will check for conformity of the apparatus with all Directive Essential Safety Requirements and draft the technical specifications, the safety instructions and affix the CE Marking in conformance with EC Directive 94/9/CE. To conclude, he will prepare and sign the Declaration of EC Conformity. The product must be distributed on the market with the correct marking, accompanied by safety instructions and the Declaration of EC Conformity.

Employer

The EC Directive 1999/92/CE ("minimum requirements to improve the safeguarding of occupational health and safety levels for operators who may be exposed to the risk of explosive atmospheres"), the Employer is obliged to assess the risks to which operators can be exposed in explosive atmospheres. This obligation has been adopted in Italy with Chapter XI "Protection in Explosive Atmospheres" of the Framework Law for the Safeguarding of Occupational Health and Safety – Legislative Decree 81/08 the official endorsement of the aforementioned EC Directive. According to the contents of Chapter XI (from Art. 287 to 297 + Annexes from XLIX to LI) Employers are obliged to: divide the work areas into ZONES (Zone 0, 1, 2, 20, 21, 22); implement all minimum safety precautions within hazardous zones (Directive ESR); implement organisational precautions, protection measures against explosions (including reference to the choice of electrical and non-electrical apparatus as per the EC Directive 94/9/CE); verify that the electrical systems in Zones 0,1,20,21 every two years in accordance with PD 462. The Employer is obliged to choose the correct type of electrical apparatus according to the hazardous zone. The Employer must prepare the explosion prevention document (EPD).

Designer

The electrical systems in the explosion risk zones must be carefully planned and designed. The Designer of the electrical system must be highly skilled in the engineering of electrical systems, a member of a society of experts, and assigned to preparing the project by his Employer. The Designer is obliged to plan the electrical system in compliance with top workmanship standards. In Italy, such workmanship standards are provided by CEI Standards (Law n. 186 dated March 1968) for electrical systems to be installed in explosive atmospheres, and represented by the installation norms i.e. EN 60079-14 (CEI 31-33) Standard for gas and EN 61241-14 (CEI 31-67) Standard. It is essential to remember that the classification of work areas into ZONES (Zone 0,1,2, 20, 21, 22) is a fundamental input data for the Designer as it is an obligation enforced on the Employer for which he is legally accountable at all times.

Installer

The installer shall lay all the electrical systems in accordance with the project technical specifications, he shall install the system to top workmanship standards (installation norms EN 60079-14 (CEI 31-33) Standard for gas and EN 61241-14 (CEI 31-67) Standard), and must also comply with all safety instructions provided by the Manufacturer for apparatus conforming to EC Directive 94/9/CE Standards. In some cases, non-Conformity with such requirements can compromise the apparatus protection levels, where the apparatus no longer meets the Directive requirements; the Manufacturer will not be held accountable in this case. When the works have been completed, the installer must issue a Declaration of Conformity as foreseen by MD 37/08.

Declaration of Conformity - Warnings

All products conforming to EC Directive 94/9/CE must be accompanied by a Declaration of EC Conformity and provide at least the following information: name or brand and address of the Manufacturer; description of the equipment; the norms the equipment complies with; name, identification number and address of the Notified Body: "Type CE" certificate number; identification of the person signing the documents which commit the Manufacturer or Representative at an EU levels; any reference to: harmonized standards, specific technical norms used, other applied EC Directives. If the Directive's conformity procedure does not foresee the intervention by a Notified Body, (Group II Category 3 equipment) on the Declaration of EC Conformity, no reference to any NB will be provided and no "Type CE" certificates will be necessary. The user instructions are essential as the correct application is a mandatory condition in order to comply with ESR requirements. The user instructions must therefore always indicate all the procedures to be respected for safe use: correct use (zone, environmental conditions, reference to Markings, etc); correct use (any prohibited, particular or restricted user conditions); correct installation and/or regulation; commissioning; correct maintenance; installation and/or replacement of any components.

Classification of potentially explosive areas according to EN 60079-10-1 and EN 60079-10-2 Standards

Area classification		
Gas	**Dust**	
ZONE 0	**ZONE 20**	Area in which the explosive atmosphere is constant or frequent over long periods
ZONE 1	**ZONE 21**	Area in which the explosive atmosphere is likely to occur occasionally during normal operations
ZONE 2	**ZONE 22**	Area in which the explosive atmosphere is not likely to occur during normal operations and, if it should occur, it lasts for a very short time

Devices classification

Devices classification

classification (ATEX 94/9/CE) group	device category	EPL (EN IEC 60079-0: 2009)	zone
explosive atmosphere caused by gas			
II	1G	Ga	0
II	2G	Gb	1
II	3G	Gc	2
explosive atmosphere caused by dust			
II	1D	Ga	20
II	2D	Gb	21
II	3D	Gc	22

Gas groups (IEC 60079-0:2007; EN 60079-0:2009)

group	representative gas
I	Grisou gas
IIA	Propane
IIB	Ethylene
IIC	Hydrogen

Dust groups (IEC 60079-0:2007; EN 60079-0:2009)

group	type of dust
IIIA	Combustible Fibres
IIIB	Non - Conductive Dust
IIIC	Conductive Dust

Temperature class

class	maximum surface T
T1	450°C
T2	300°C
T3	200°C
T4	135°C
T5	100°C
T6	85°C

IP Protection rating

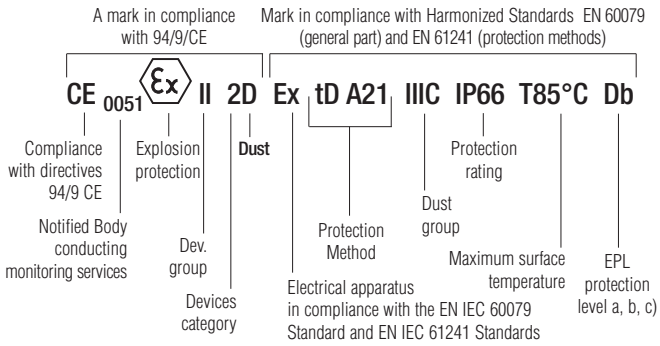
Dust	
IP 5X	Protetto contro la polvere (Dust Protected)
IP 6X	A tenuta contro la Polvere (Dust Tight)
Water	
IP X4	Splashes
IP X5	Jets
IP X6	Powerful jets
IP X7	Temporary immersion
IP X8	Continuous immersion

Electrical protection methods

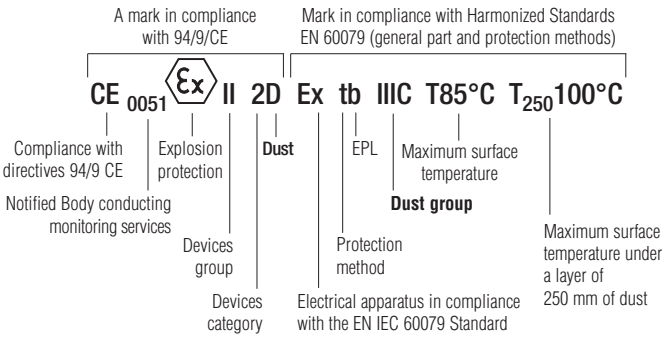
Protection methods Gas	Dust	Definition	EPL	Zone Gas	Dust
-	-	General Requirements	-	-	-
Ex db		Flameproof Enclosures	Gb	1	
	Ex tD	Protection by Enclosures	-		20 21 22
EX pxb Ex pyb Ex pxc		Pressurized Enclosures	Gb Gb Gc	1 1 2	
	Ex pD	Pressurization	-		21 22
Ex qb		Powder Filling	Gb	1	
Ex ob		Oil Immession	Gb	1	
Ex eb		Increased Safety	Gb	1	
Ex ia Ex ib Ex ic		Intrinsic Safety	Ga Gb Gc	0 1 2	
	Ex iD	Intrinsic Safety	-		20 21 22
Ex nC Ex nA Ex nL Ex nR		Type of protection "n"	-	2	
Ex nC Ex nA Ex nR		Type of protection "n"	Gc	2	
Ex ma Ex mb		Encapsulation "m"		0 1	
	Ex mD	Protection by Encapsulation			20 21 22
Ex ma Ex mb Ex mc	Ex ma Ex mb Ex mc	Encapsulation "m"	Ga; Da Gb; Db Gc; Dc	0 1 2	20 21 22
	Ex ta Ex tb Ex tc	Protection by enclosures "t"	Da Db Dc		20 21 22

Mark for explosive atmosphere caused by dust

EN 60079-0 (2009) / EN 61241

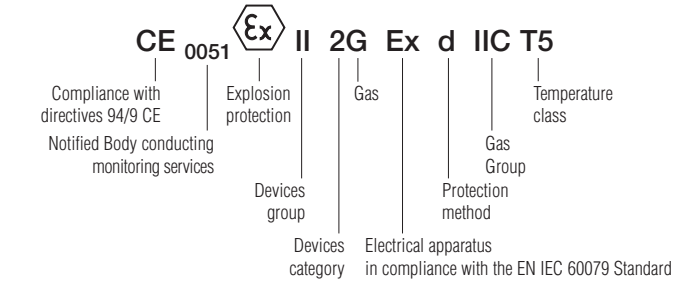


EN 60079-0 (2009) / EN 60079-31

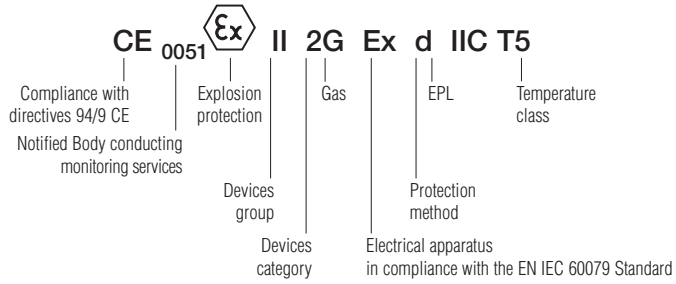


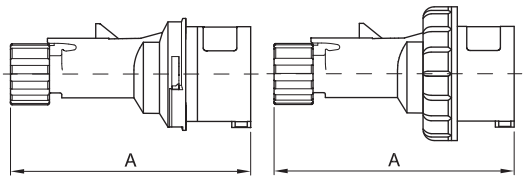
Mark for explosive atmosphere caused by GAS

EN 60079-0 (2006) until 31.05.2012



EN 60079-0 (2009)

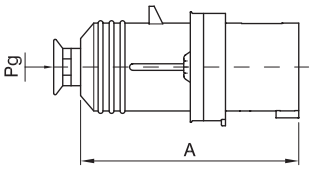




Rated current (A)	No. poles	A (mm)
16	2P+⏚	127
	3P+⏚	134
	3P+N+⏚	142
32	2P+⏚	154
	3P+⏚	154
	3P+N+⏚	173

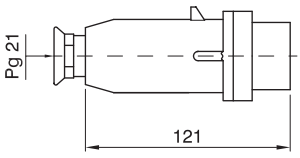
Rated current (A)	No. poles	A (mm)
16	2P+⏚	135
	3P+⏚	140
	3P+N+⏚	150
32	2P+⏚	165
	3P+⏚	165
	3P+N+⏚	170
63	2P+⏚	250
	3P+⏚	250
	3P+N+⏚	250

MULTIMAX series - Straight plugs



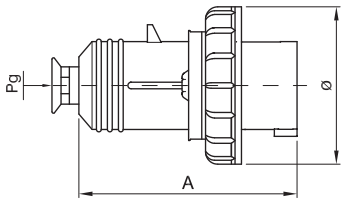
Rated current (A)	No. poles	A (mm)	Pg
16	2P+⏚	112	13,5
	3P+⏚	117	16
	3P+N+⏚	124	16
32	2P+⏚	141	21
	3P+⏚	141	21
	3P+N+⏚	141	21

CEE series - Protected straight plugs

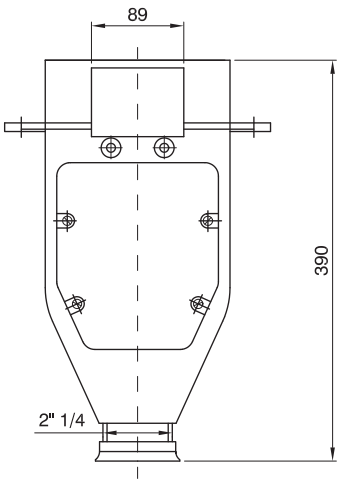


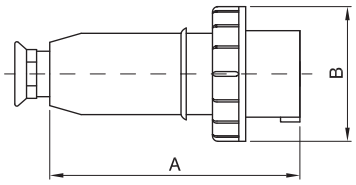
16A - 32A 2P - 3P

CEE series - Protected straight plugs very low voltage



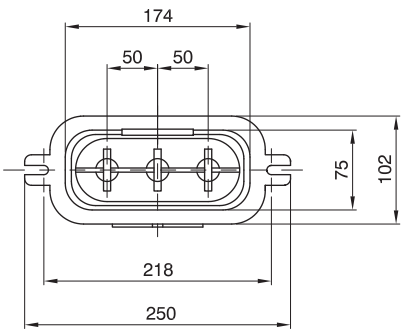
Rated current (A)	No. poles	A (mm)	ø (mm)	Pg
16	2P+⏚	112	73	13,5
	3P+⏚	117	80	16
	3P+N+⏚	124	88	16
32	2P+⏚	141	94	21
	3P+⏚	141	94	21
	3P+N+⏚	141	101	21



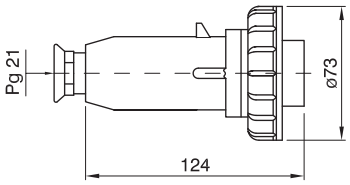


Rated current (A)	No. poles	A (mm)	B (mm)	Pg/ Gas
63	2P+⏚	208	110	Pg29
	3P+⏚			
	3P+N+⏚			
125	2P+⏚	283	126	2"gas
	3P+⏚			
	3P+N+⏚			

CEE / CEE-Ex series - Watertight straight plugs

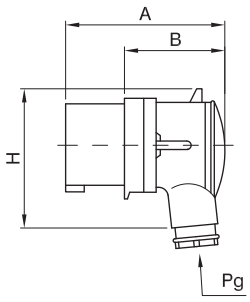


FP series - Watertight plug with aligned poles



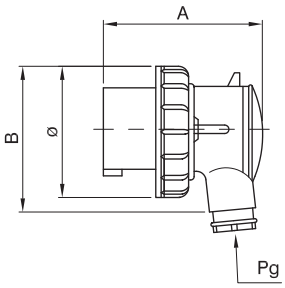
16A - 32A

CEE series - Watertight straight plugs very low voltage



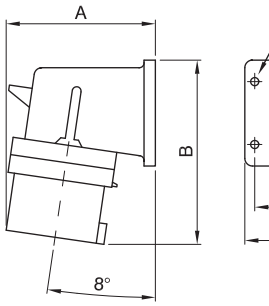
Rated current (A)	No. poles	A (mm)	B (mm)	H (mm)	Pg
16	2P+⏚	89	52	73	13,5
	3P+⏚	97	60	84	16
	3P+N+⏚	102	65	93	16

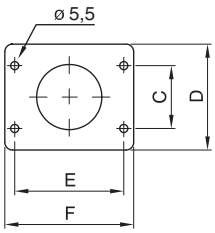
CEE series - Protected 90° angled plugs



Rated current (A)	No. poles	A (mm)	B (mm)	ø (mm)	Pg
16	2P+⏚	97	79	73	13,5
	3P+⏚	97	90	80	16
	3P+N+⏚	102	100	88	16

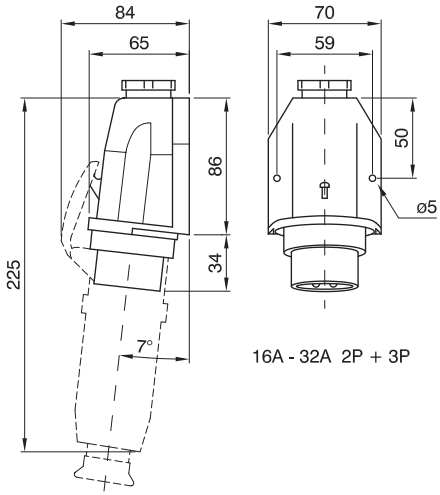
CEE series - Watertight 90° angled plugs





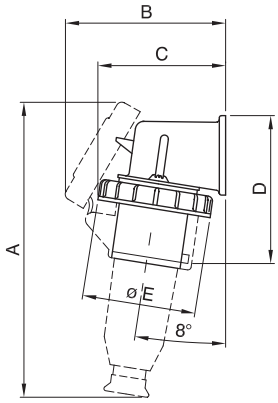
Rated current (A)	No. poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
16	2P+⏚	77	97	30	52	55	65
	3P+⏚	85	106	35	60	60	70
	3P+N+⏚	93	117	40	66	68	80
32	2P+⏚	95	125	40	66	68	80
	3P+⏚	95	125	40	66	68	80
	3P+N+⏚	105	133	45	75	78	90

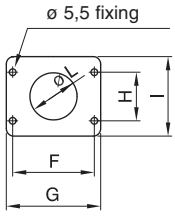
CEE series - Protected 90° angled plugs



16A - 32A 2P + 3P

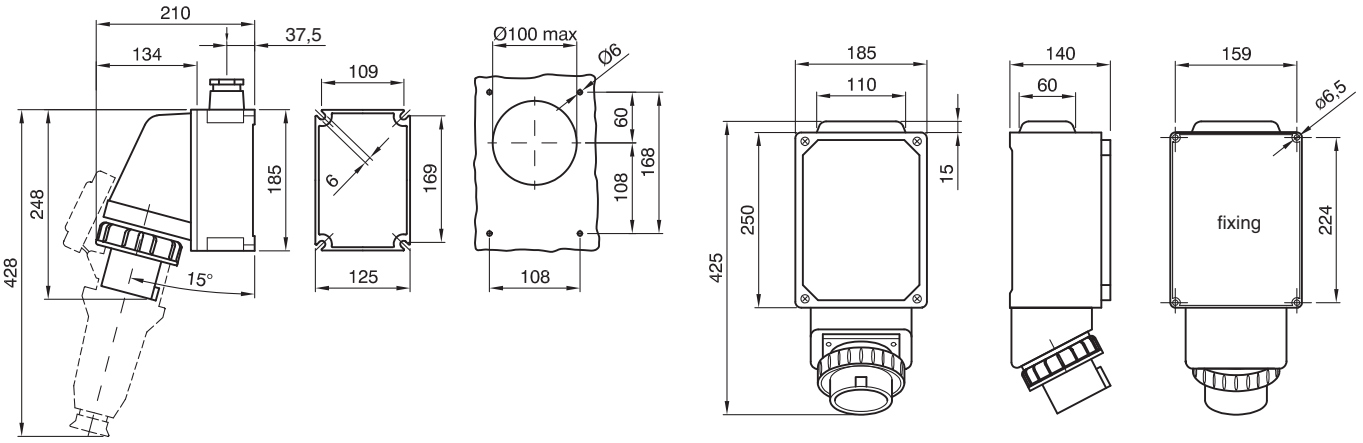
CEE series - Protected 90° angled plugs very low voltage



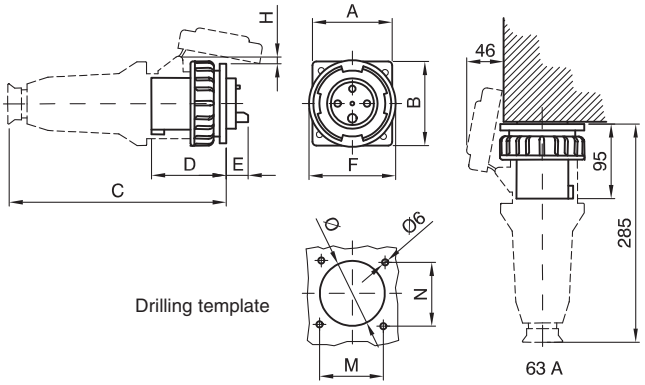


Rated current (A)	No. poles	measurements in mm A	B	C	D	E	F	G	H	I	L
16	2P+⏚	195	110	86	97	73	55	65	30	52	30
	3P+⏚	205	120	95	106	80	60	70	35	60	33
	3P+N+⏚	215	130	105	117	88	68	80	40	66	40
32	2P+⏚	248	136	108	125	94	68	80	40	66	40
	3P+⏚	248	136	108	125	94	68	80	40	66	40
	3P+N+⏚	255	148	120	133	101	78	90	45	75	45

CEE series - Watertight 90° angled plugs

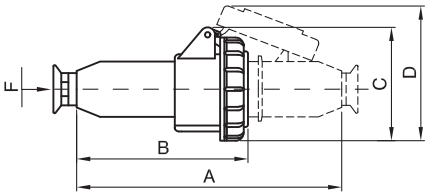


CEE series - Watertight angled wall-mounted plugs



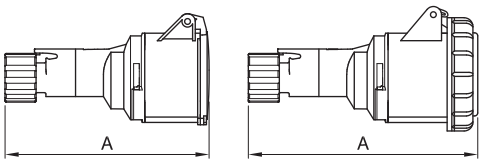
Rated current (A)	measurements in mm								
	A	B	C	D	E	F	M	H	Ø
63	100	108	285	95	26	110	77	10	85
125	114	114	355	118	67	126	90	10	98

CEE series - Watertight straight high performances flush-mounted appliance inlets



Rated current (A)	No. poles	A (mm)	B (mm)	C (mm)	D (mm)	F
16	2P+⏚	185	120	82	100	Pg13,5
	3P+⏚	195	124	90	107	Pg16
	3P+N+⏚	200	124	100	117	Pg16
32	2P+⏚	238	153	105	125	Pg21
	3P+⏚					
	3P+N+⏚			110	130	
63	2P+⏚	375	248	120	150	PG29
	3P+⏚					
	3P+N+⏚					
125	2P+⏚	483	290	130	168	2" Gas
	3P+⏚					
	3P+N+⏚					

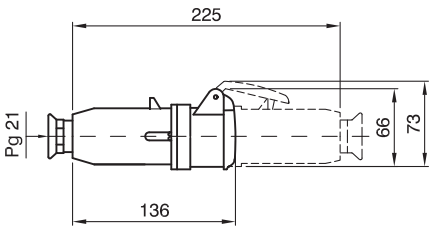
CEE series - Watertight straight socket-outlet



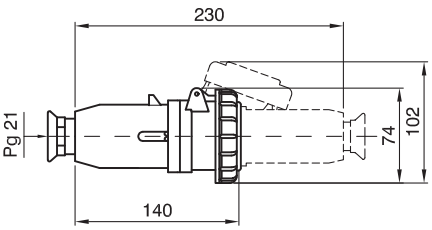
Rated current (A)	No. poles	A (mm)
16	2P+⏚	134
	3P+⏚	143
	3P+N+⏚	151
32	2P+⏚	163
	3P+⏚	163
	3P+N+⏚	182

Rated current (A)	No. poles	A (mm)
16	2P+⏚	145
	3P+⏚	150
	3P+N+⏚	165
32	2P+⏚	180
	3P+⏚	180
	3P+N+⏚	185
63	2P+⏚	270
	3P+⏚	270
	3P+N+⏚	270

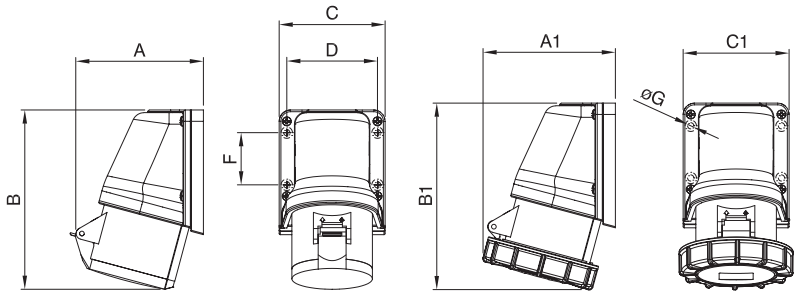
MULTIMAX series - Straight socket-outlet



CEE series - Protected straight socket-outlet very low voltage

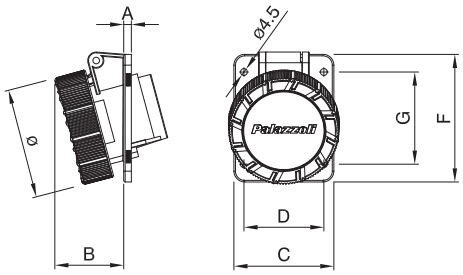


CEE series - Watertight straight socket-outlet very low voltage

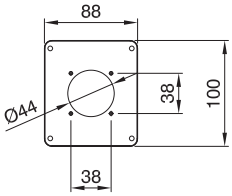


Rated current (A)	No. poles	A (mm)	A1 (mm)	B (mm)	B1 (mm)	C (mm)	C1 (mm)	D (mm)	F (mm)	G (mm)
16	2P+⏚	101	107	146	150	93,5	93,5	80	46	5,5
	3P+⏚	104	110	146	150	93,5	93,5	80	46	5,5
	3P+N+⏚	107	114	147	151	93,5	93,5	80	46	5,5
32	2P+⏚	114	116	157	162	93,5	93,5	80	46	5,5
	3P+⏚	114	116	157	162	93,5	93,5	80	46	5,5
	3P+N+⏚	116	119	158	163	93,5	99	80	46	5,5
63	tutti	-	171	-	230	-	118	106	158	6

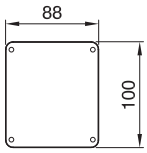
topTER series - Watertight and protected angled wall-mounted socket-outlets IP44 - IP67



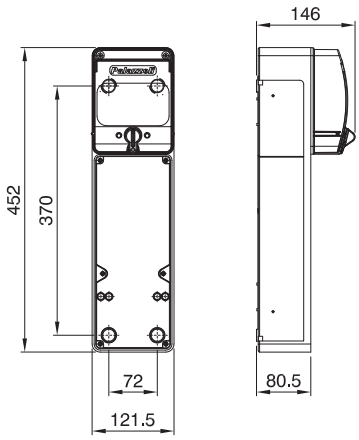
Rated current (A)	No. poles	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	G (mm)	ø (mm)
16	2P+⏚	5	45	65	52	83	60	72
	3P+⏚	5	46	55	52	83	60	80
	3P+N+⏚	7	47	88	77	100	85	88
32	2P+⏚	7	54	88	77	100	85	93
	3P+⏚	7	54	88	77	100	85	93
	3P+N+⏚	7	55	88	77	100	85	100



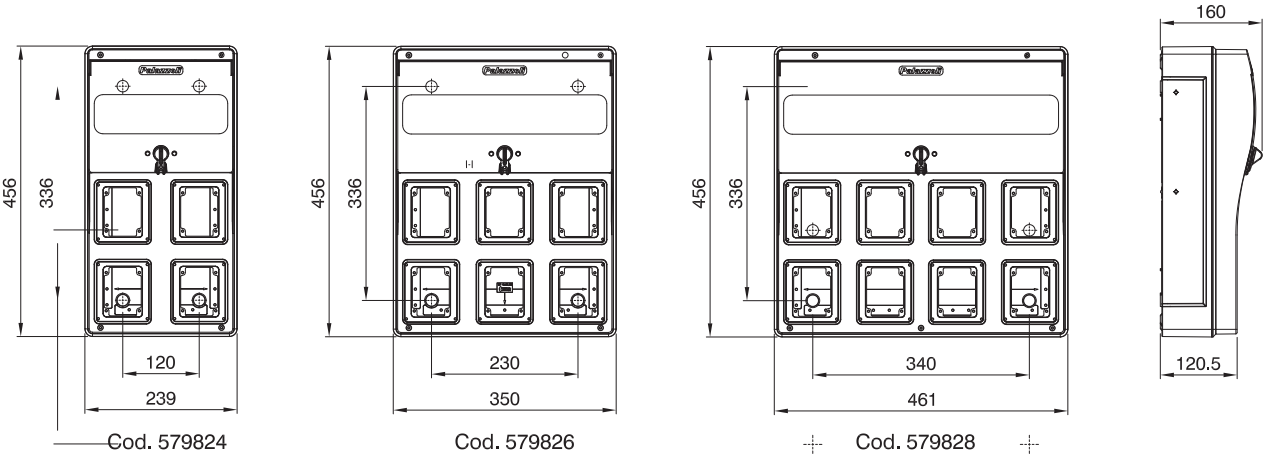
Cod. 579844



Cod. 579842

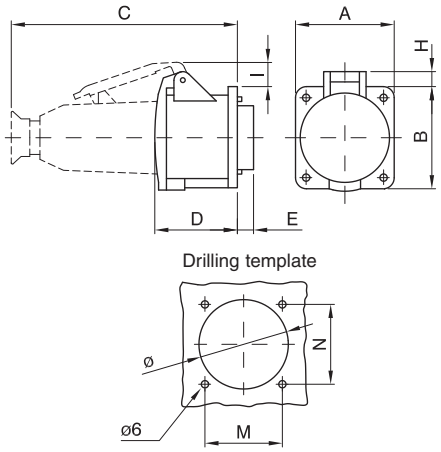


Cod. 579822
Cod. 579823



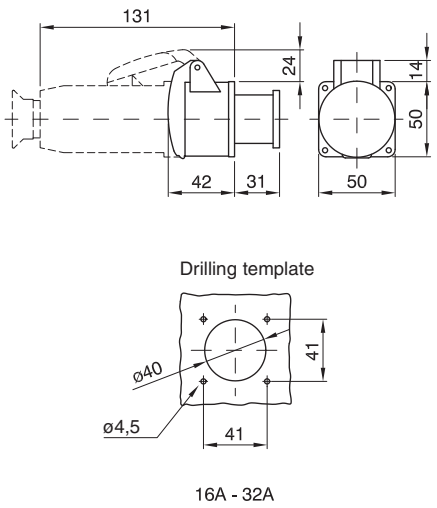
Cod. 579824 Cod. 579826 Cod. 579828

topTER series – Watertight distribution boards and technical accessories for installation of industrial sockets IP44 - IP66/IP67

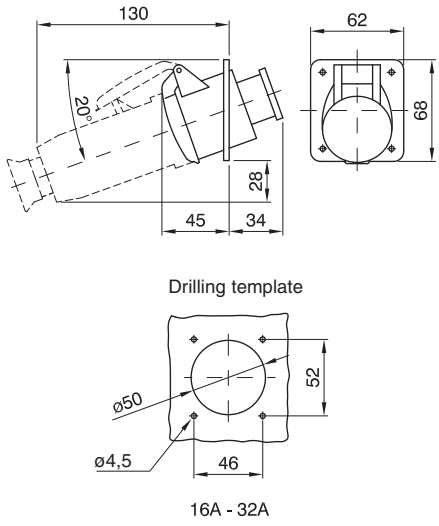


Rated current (A)	No. poles	measurements in mm									
		A	B	C	D	E	H	I	M	N	ø
16	2P+⏚	62	62	130	47	18	8	18	47	47	50
	3P+⏚	75	75	130	47	18	8	18	60	60	63
	3P+N+⏚	75	75	140	47	18	10	20	60	60	63
32	2P+⏚	75	75	170	62	18	12	20	60	60	63
	3P+⏚	75	75	170	62	18	12	20	60	60	63
	3P+N+⏚	75	75	170	62	18	15	26	60	60	63

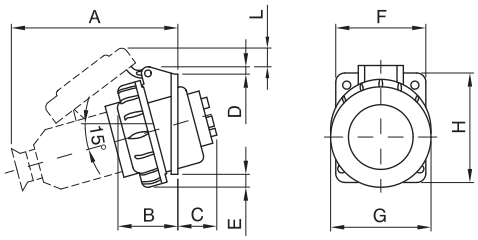
CEE series - Protected straight flush-mounted socket



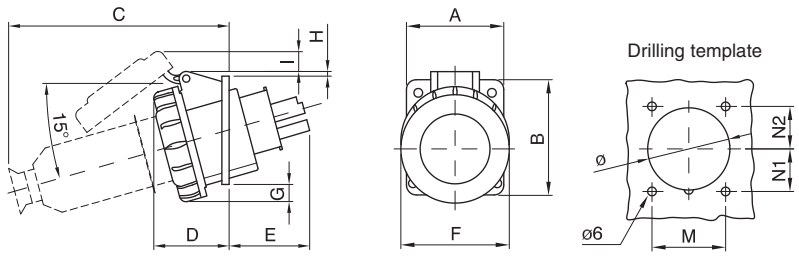
CEE series - Protected flush-mounted very low voltage socket-outlets



CEE series - Protected angled flush-mounted low voltage socket-outlets

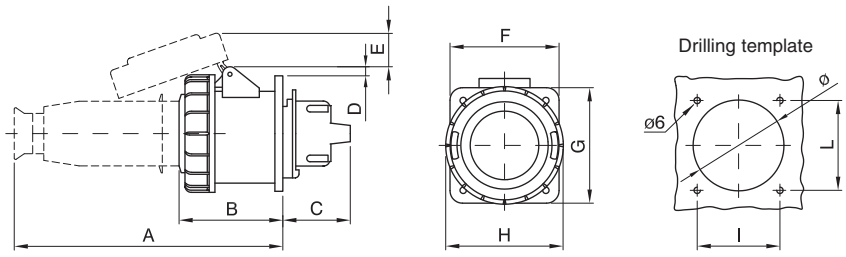


Rated current (A)	No. poles	measurements in mm												
		A	B	C	D	E	F	G	H	I	L	M	N	ø
16	2P+⏚	123	46	31	7	9	62	73	70	47	15	26	29	53
	3P+⏚	133	48	30	6	10	70	80	77	53	15	30	30	60
	3P+N+⏚	140	51	24	7,5	9	77	88	85	57	15	31	34	66
32	2P+⏚	157	56	39	3	7	85	94	97	60	20	35	37	70
	3P+⏚	157	56	39	3	6	85	94	97	60	20	35	37	70
	3P+N+⏚	158	58	38	3	7,5	90	101	105	65	20	38	42	75



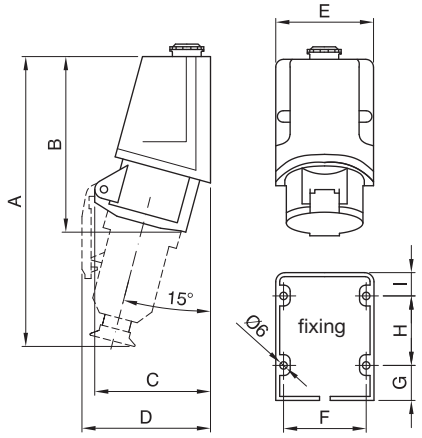
Rated current (A)	No. poles	measurements in mm											
		A	B	C	D	E	F	G	H	I	M	N1	N2	ø
63	2P+⏚	100	108	226	80	80	109	10	8	23	77	46	39	86
	3P+⏚													
	3P+N+⏚													
125	3P+⏚	114	114	320	101	82	128	20	8	35	90	47	43	96
	3P+N+⏚													

CEE series - Watertight angled flush-mounted socket-outlet



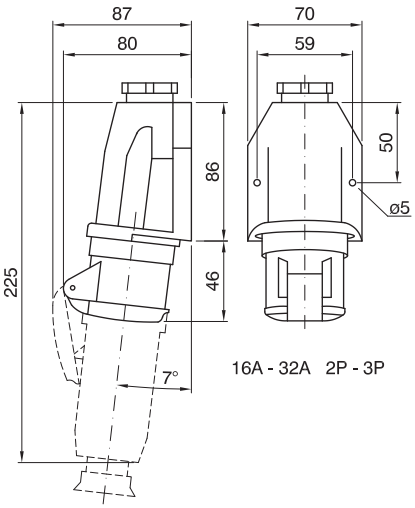
Rated current (A)	No. poles	measurements in mm										
		A	B	C	D	E	F	G	H	I	L	ø
63	2P+⏚	250	96	64	9	32	100	108	110	77	85	85
	3P+⏚											
	3P+N+⏚											
125	3P+⏚	350	113	78	10	38	114	114	126	90	90	98
	3P+N+⏚											

CEE series - Watertight flush-mounted socket-outlets

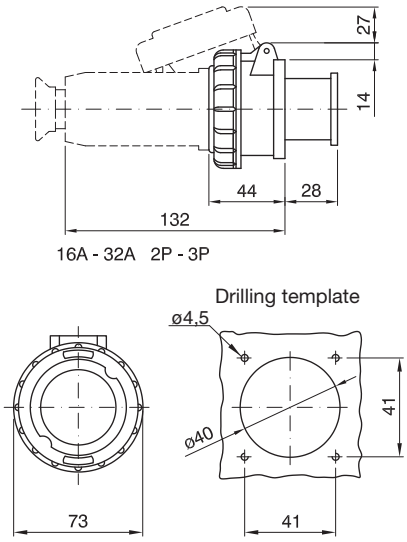


Rated current (A)	No. poles	measurements in mm								
		A	B	C	D	E	F	G	H	I
16	2P+⏚	220	125	80	90	65	54	25	44	16
	3P+⏚	220	134	88	99	75	64	28	52	16
	3P+N+⏚	220	134	92	105	75	64	28	52	16
32	2P+⏚	256	154	100	115	84	72	31.5	56	22.5
	3P+⏚	256	154	100	115	84	72	31.5	56	22.5
	3P+N+⏚	258	155	103	120	84	72	31.5	56	22.5

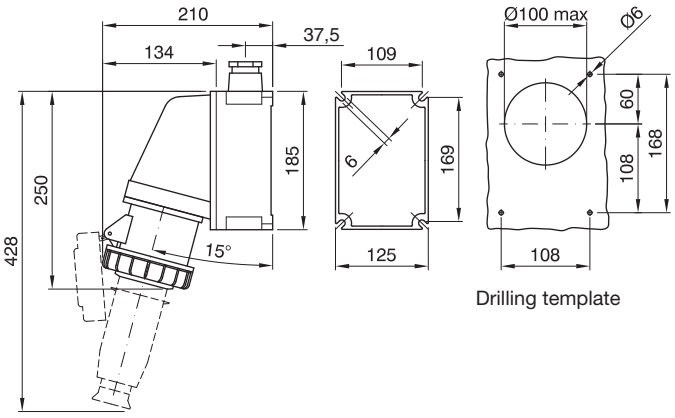
CEE series - Protected 90° wall-mounted socket-outlets

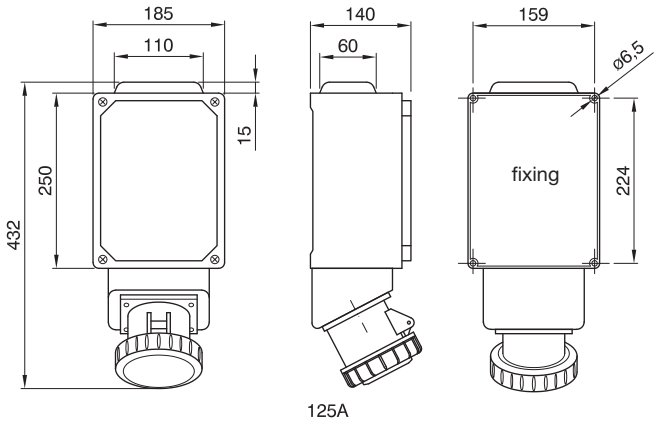


CEE series - Protected 90° angled very low voltage socket-outlets

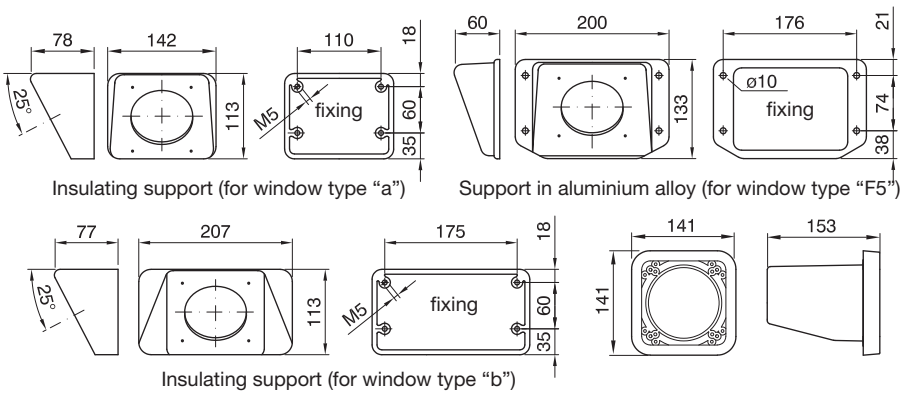


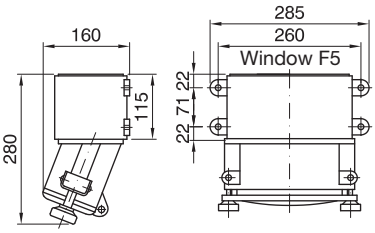
CEE series - Watertight straight flush-mounted very low voltage socket-outlets





CEE series - Watertight angled wall-mounted socket-outlets

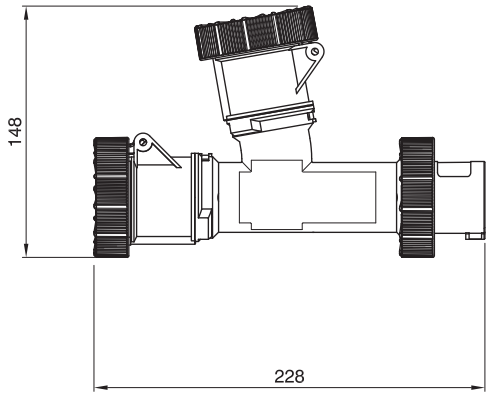




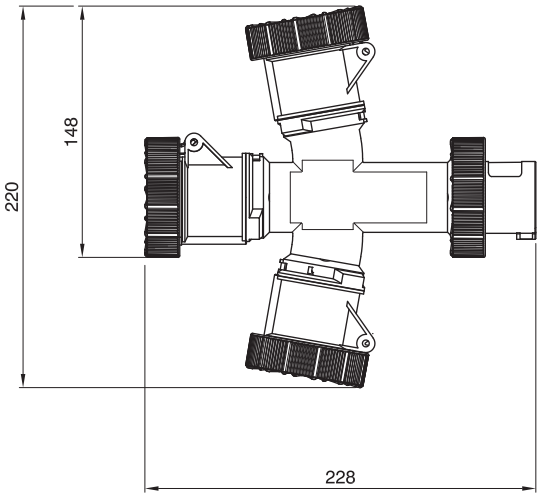
CEE series - Supports for angled mounting of straight watertight socket-outlets and plugs

FP series - Watertight plug with aligned poles

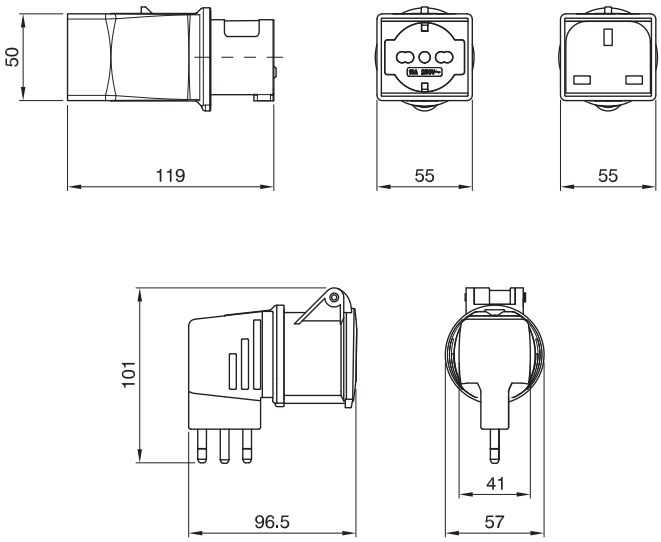
MULTIPLIERS AND ADAPTORS



2 gang watertight multipliers

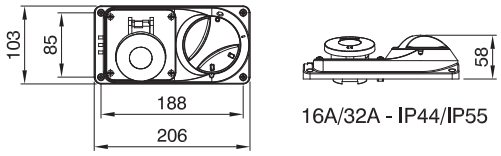


3 gang watertight multipliers

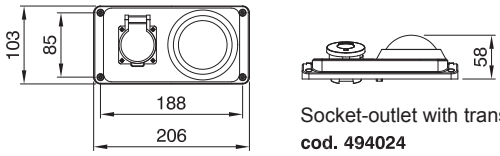


Adaptors: industrial/domestic - industrial/standard british - domestic/industrial

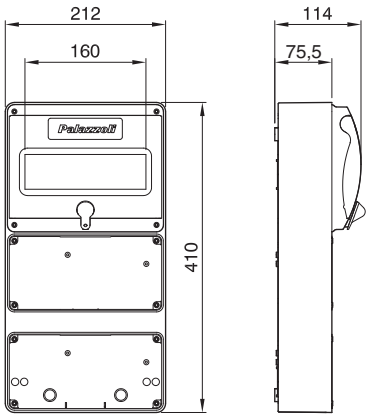
FIXED INTERLOCKED SOCKET-OUTLETS



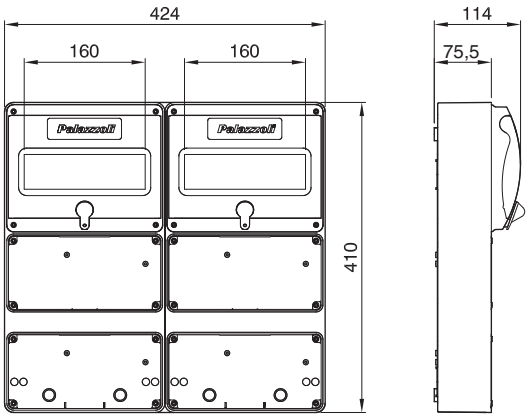
16A/32A - IP44/IP55



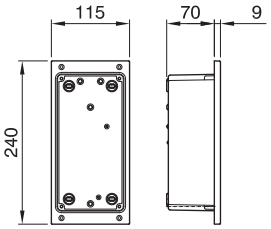
Socket-outlet with transformer
cod. 494024
cod. 496024



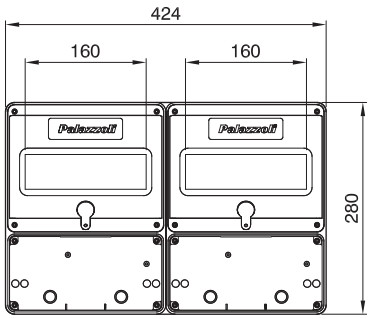
Cod. 579520 - 579521
Cod. 579620 - 579621



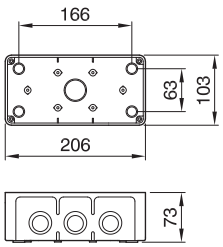
Cod. 579540 - 579541 - 579542
Cod. 579640 - 579641 - 579642



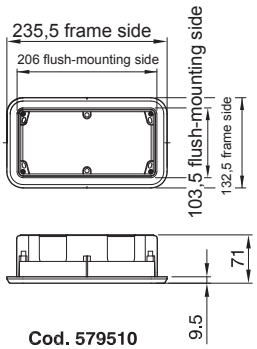
Cod. 575501



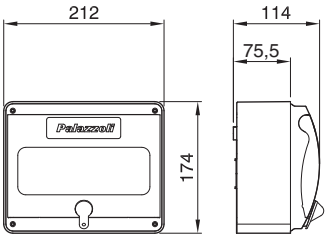
Cod. 579502
Cod. 579602



Cod. 579500



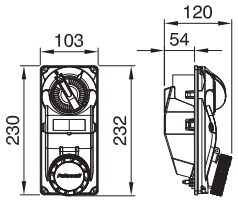
Cod. 579510



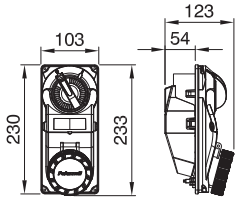
Cod. 579512
Cod. 579612

PRIMA series - Compact interlocked socket-outlets IP44/IP55 - Watertight distribution boards and tehcnical accessories

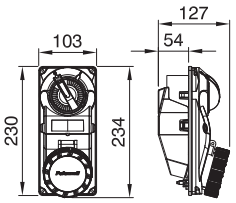
FIXED INTERLOCKED SOCKET-OUTLETS



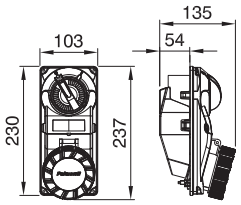
2P+⏚ 16A



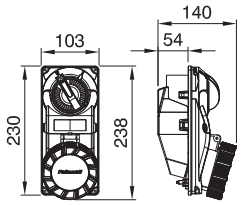
3P+⏚ 16A



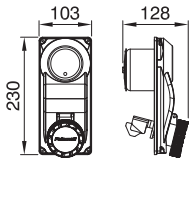
3P+N+⏚16A



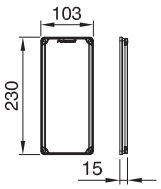
2P+⏚ e 3P+⏚ 32A



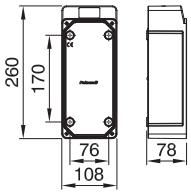
3P+N+⏚ 32A



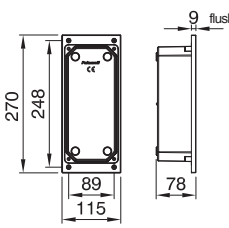
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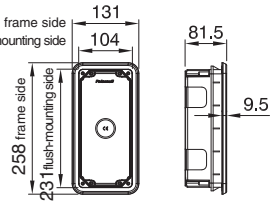
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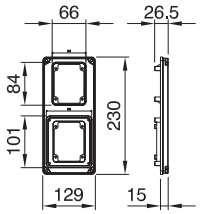
Cod.579710



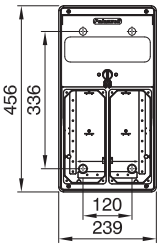
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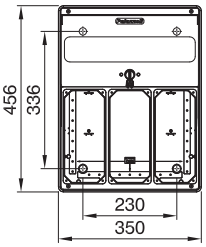
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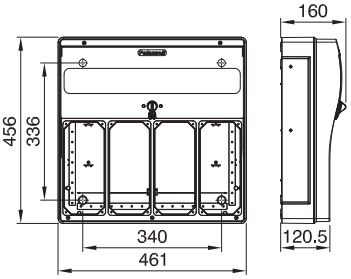
Cod.579714



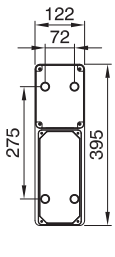
Cod.579742



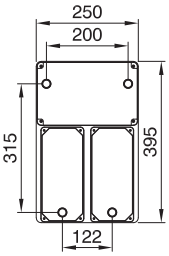
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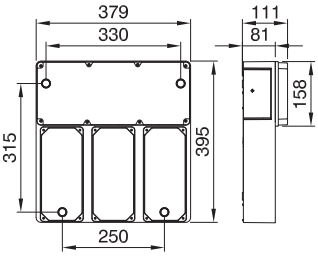
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Cod.579721

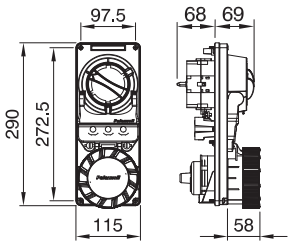


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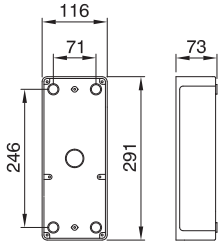


Cod.579723

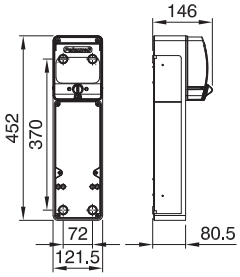
topTER series - Watertight distribution boards and technical accessories for installation of interlocked socket-outlets IP44 – IP55



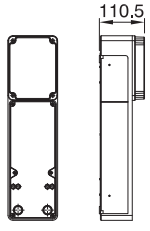
63A



Cod.579740

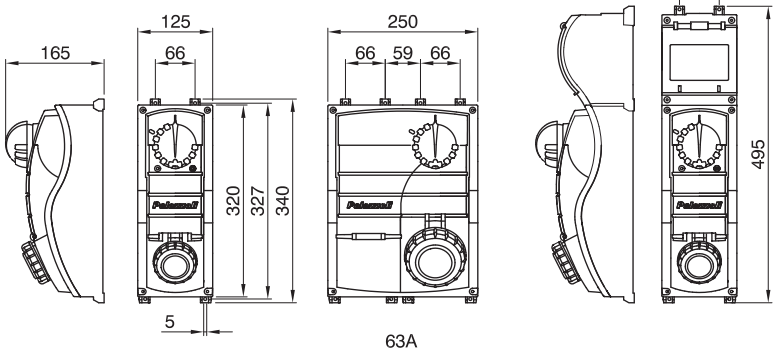


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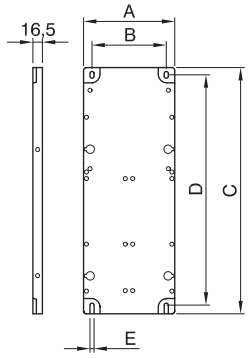
Cod.579421

TER series - Watertight distribution boards for installation of 63A interlocked socket-outlets IP44 - IP55

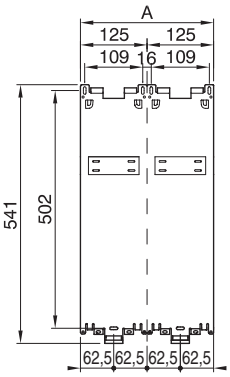


16 and 32A

63A

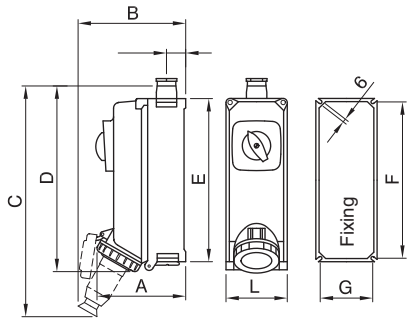


Code	A (mm)	B (mm)	C (mm)	D (mm)
415801	125	90	540	515
415802	250	215	540	515

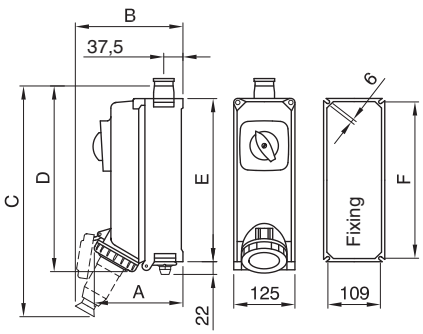


Code	A (mm)
415901	125
415902	250
415903	375
415904	500

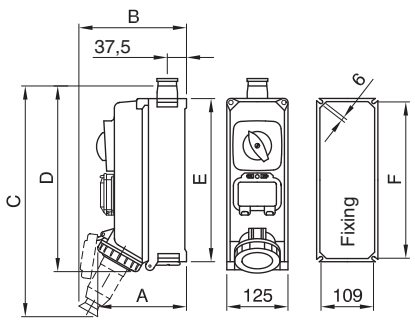
ULYSSE / ULYSSE-Ex series - Watertight interlocked socket-outlets, enclosures and plates



Rated current (A)	No. poles	measurements in mm								
		A	B	C	D	E	F	G	h	L
16 e 32 comp.	2P+⏚	132	180	330	280	240	226	78	25	91,5
	3P+⏚	135	186	334	280	240	226	78	25	91,5
	3P+N+⏚	140	194	340	280	240	226	78	25	91,5
32	2P+⏚/3P+⏚	177	213	458	377	335	319	109	37,5	125
	3P+N+⏚	185	218	457	380	335	319	109	37,5	125
63	2P+⏚/3P+⏚/3P+N+⏚	203	257	547	423	370	354	109	37,5	125
16 trasf.	2P	132	180	330	280	240	226	78	25	91,5



Rated current (A)	No. poles	measurements in mm					
		A	B	C	D	E	F
16	2P+⏚	159	183	428	377	335	319
	3P+⏚	164	191	434	377	335	319
	3P+N+⏚	175	203	435	380	335	319
32	2P+⏚/3P+⏚	177	213	458	377	335	319
	3P+N+⏚	185	218	457	380	335	319
63	2P+⏚/3P+⏚/3P+N+⏚	203	257	547	423	370	354

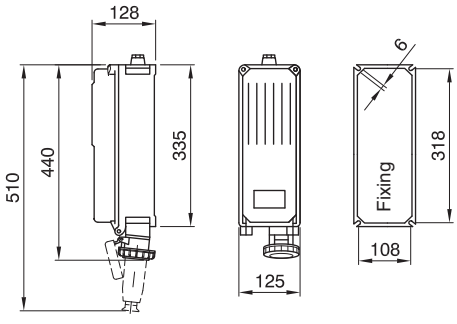


Rated current (A)	No. poles	measurements in mm					
		A	B	C	D	E	F
16	2P+⏚	159	183	428	377	335	319
	3P+⏚	164	191	434	377	335	319
	3P+N+⏚	175	203	435	380	335	319
32	2P+⏚/3P+⏚	177	213	458	377	335	319
	3P+N+⏚	185	218	457	380	335	319
63	2P+⏚/3P+⏚/3P+N+⏚	203	257	547	423	370	354

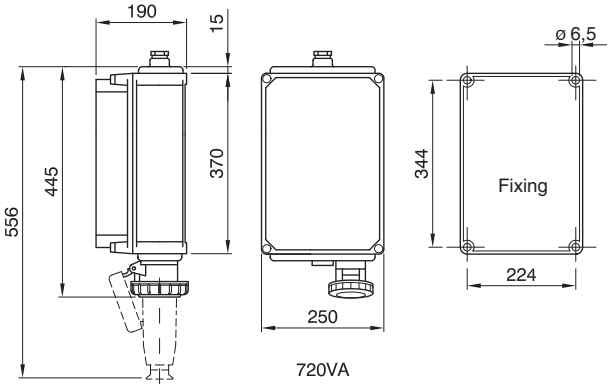
TAIS / TAIS-Ex series - Interlocked socket-outlets with and without fuse-holder base

TAIS / TAIS-Ex series Wall-mounting socket-outlets with circuit breaker and mechanical interlock

TAIS series - Wall-mounted interlocked socket-outlets with transparent door

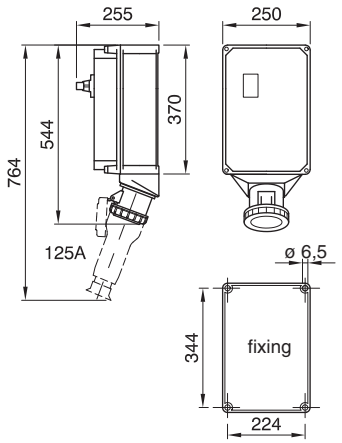


144VA

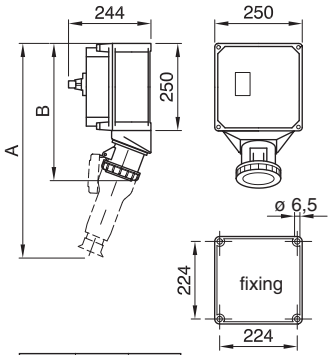


720VA

TAIS series - Wall-mounted socket-outlets with safety transformer

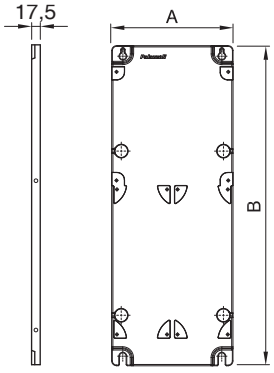


TAIS series - Wall-mounted socket-outlets with automatic circuit breaker, electrical and differential interlock



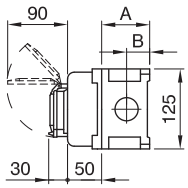
Rated current (A)	A (mm)	B (mm)
63	538	402
125	640	424

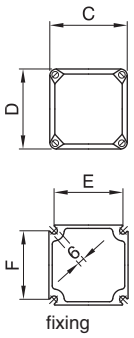
TAIS series - Wall-mounted socket-outlets with automatic circuit breaker and electrical interlock



Codes	A (mm)	B (mm)
538800	125	630
538801	190	500
538802	250	630
538803	290	500
538804	380	630

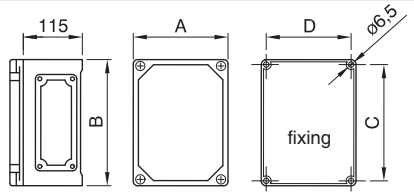
TAIS / TAIS-Ex series - Plates for socket-outlet installation



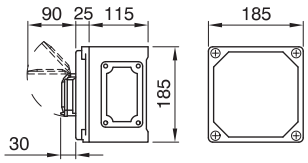


External dimensions	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
92x9250	25	92	92	78	78	
92x125	50	25	92	125	111	78
185x92	50	25	185	92	171	78
125x125	75	37,5	125	125	109	109
185x125	75	37,5	185	125	169	109
250x125	75	37,5	250	125	234	109

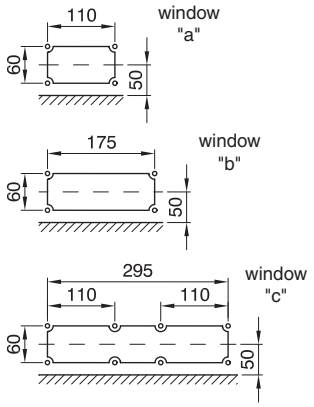
TAIS / TAIS-Ex series - Watertight thermosetting (GRP) control units



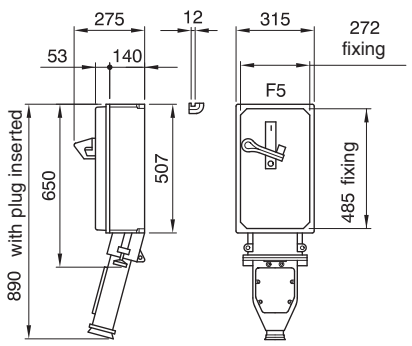
External dimensions	A (mm)	B (mm)	C (mm)	D (mm)
185x185	185	185	159	159
250x185	250	185	224	159
250x250	250	250	224	224
250x370	250	370	344	224
370x500	370	500	474	344

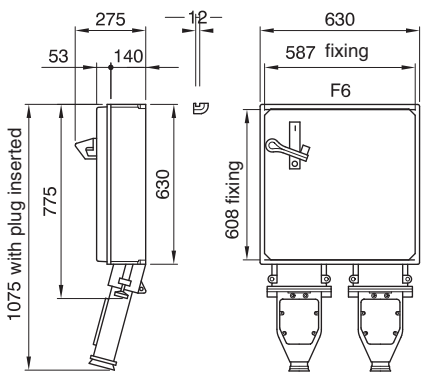


TAIS / TAIS-Ex series
Boxes for combinations

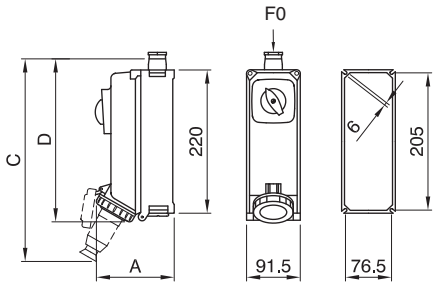


TAIS series - Modular box windows

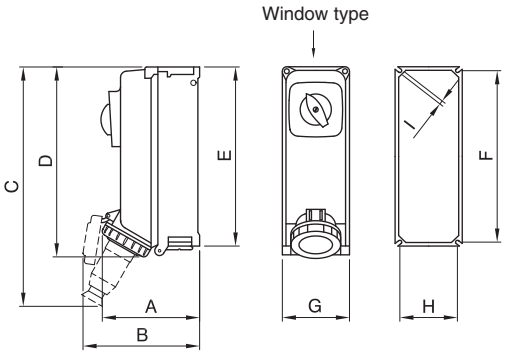




FP ALUPRES series -Wall-mounted interlocked socket-outlets

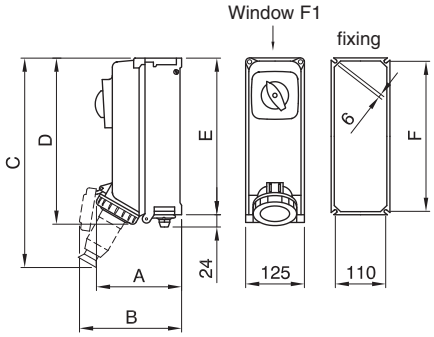


Rated current (A)	No. poles	A (mm)	C (mm)	D (mm)
16	2P+⏚	124	300	250
	3P+⏚	128	305	250
	3P+N+⏚	132	315	252



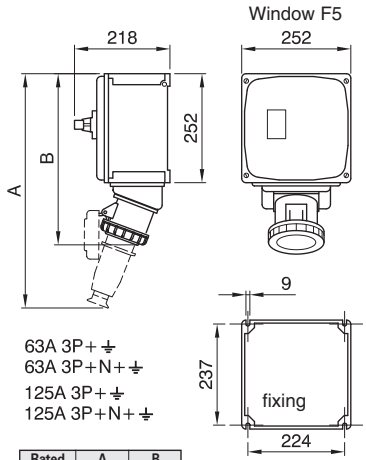
Rated current (A)	No. poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Window type
32	2P+⏚/3P+⏚	168	208	420	335	315	300	125	110	6	F1
	3P+N+⏚	170	210	420	336	315	300	125	110	6	F1
63	all polarities	188	250	518	382	355	340	125	110	6	F1
125	all polarities	240	344	748	545	507	490	185	168	7	F3

ALUPRES / ALUPRES Ex series - Interlocked socket-outlets with fuse-holder base



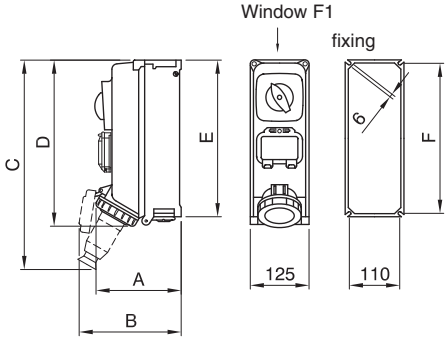
Rated current (A)	No. poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
16	2P+⏚	150	178	390	335	315	300
	3P+⏚	155	186	400	335	315	300
	3P+N+⏚	160	195	400	335	315	300
32	2P+⏚/3P+⏚	168	208	420	335	315	300
	3P+N+⏚	170	210	420	336	315	300
63	all polarities	188	250	518	382	355	340
16 transf.	2P	150	178	390	335	315	300

ALUPRES / ALUPRES Ex series - Socket-outlets with MCB and fuse-holder base



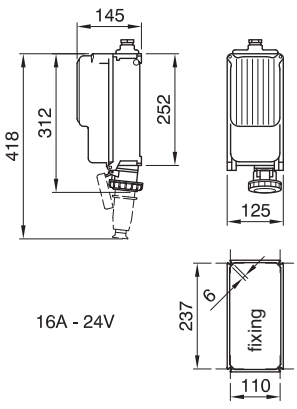
Rated current (A)	A (mm)	B (mm)
63	540	400
125	644	420

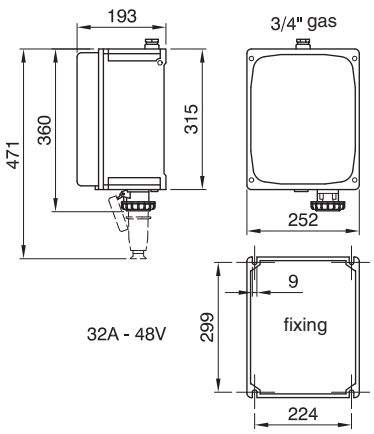
ALUPRES series - Wall-mounted socket-outlets with automatic switch and electrical interlock



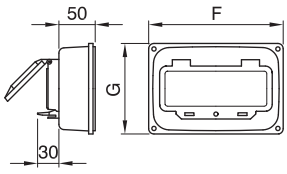
Rated current (A)	No. poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
16	2P+⏚	150	178	390	335	315	300
	3P+⏚	155	186	400	335	315	300
	3P+N+⏚	160	195	400	335	315	300
32	2P+⏚/3P+⏚	168	208	420	335	315	300
	3P+N+⏚	170	210	420	336	315	300
63	all polarities	188	250	518	382	355	340

ALUPRES series - Wall-mounted interlocked socket-outlets with transparent door



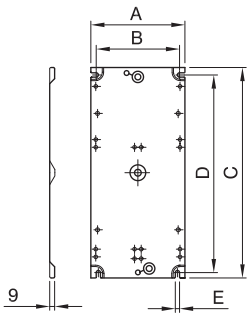


ALUPRES series - Wall-mounted socket-outlets with safety transformer



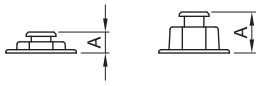
External dimensions	F (mm)	G (mm)
125x125	125	125
185x125	185	125
185x185	185	185
252x125	252	125
252x185	252	185

ALUPRES series - Covers with transparent door



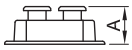
Codes	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
532806	185	162	389	366	8
532816	276	253	389	366	8
532826	185	162	421	398	8
532836	250	222	558	530	10
532846	375	347	558	530	10
532856	310	282	558	530	10
532866	435	407	558	530	10

ALUPRES / ALUPRES-Ex series - Plates for socket-outlet installation



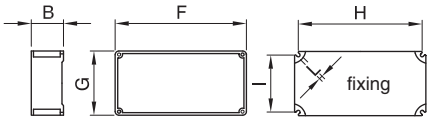
Codes	A (mm)
541010	23
541020	29
541080	31
541090	33
541030	34
541011	29
541021	33
541040	36

Codes	A (mm)
540151	63
540141	63
540152	63
540142	64
540153	82
540154	88
540145	124
540156	154



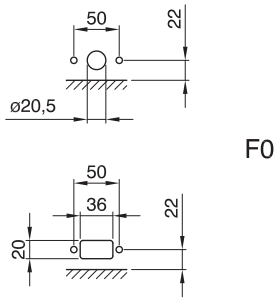
Codes	A (mm)
540161	57
540162	62
540172	63
540163	79
540164	124
540165	154
540166	36

ALUPRES / ALUPRES-Ex series Closing flanges

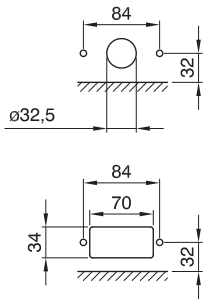


External dimensions	B (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)
92x92	42	92	92	78	78	6
125x92	42	125	92	111	78	6
185x92	42	185	92	171	78	6
125x125	63	125	125	111	111	6
185x125	63	185	125	171	111	6
252x125	63	252	125	238	111	6
155x155	63	155	155	141	141	6
185x185	95	185	185	171	171	6
252x185	95	252	185	236	169	6
220x220	95	220	220	205	192	6
252x252	140	252	252	237	224	6
315x252	140	315	252	300	224	6
507x252	140	507	252	492	224	9
295x295	105	295	295	280	266	9
315x315	140	315	315	300	286	9
373x373	140	373	373	353	330	12
507x373	140	507	373	487	330	12
630x373	140	630	373	610	330	12
630x507	140	630	507	610	464	12

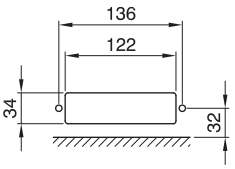
ALUPRES series - Boxes for combinations



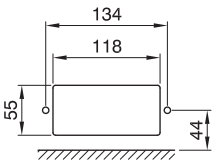
F0



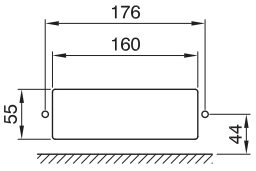
F1



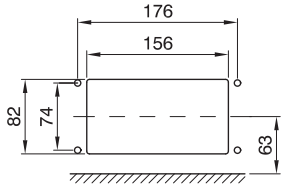
F2



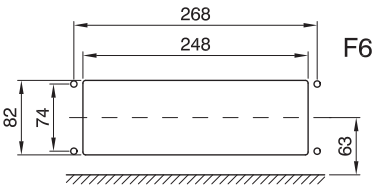
F3



F4



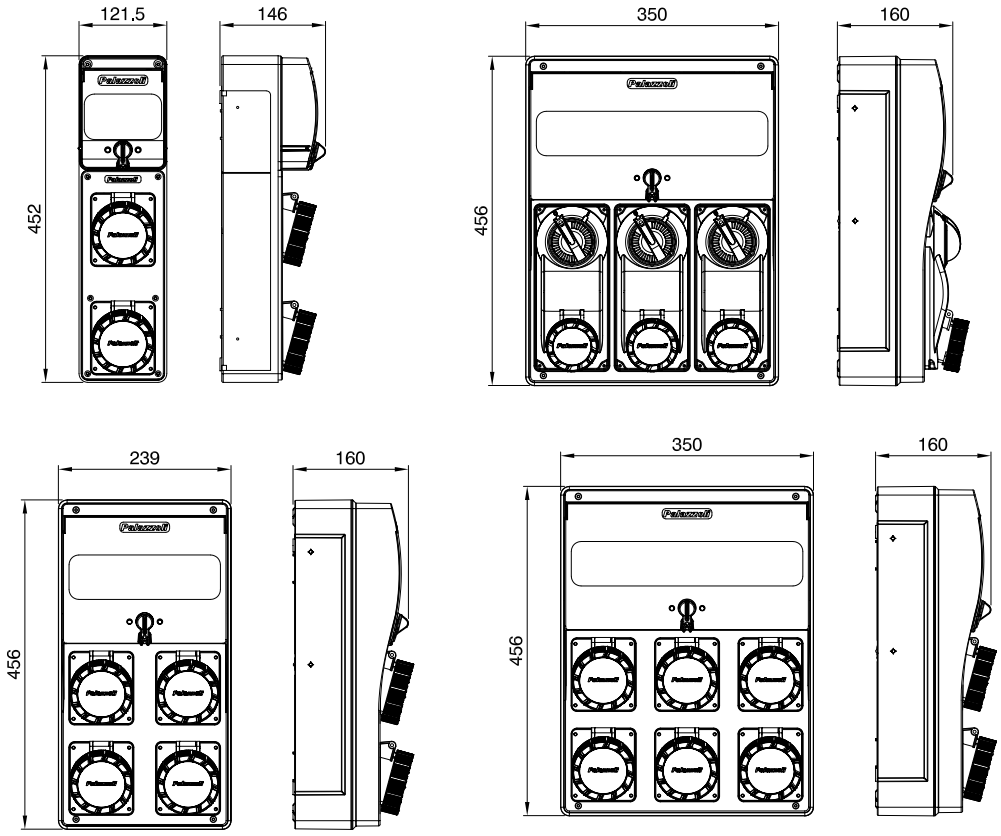
F5



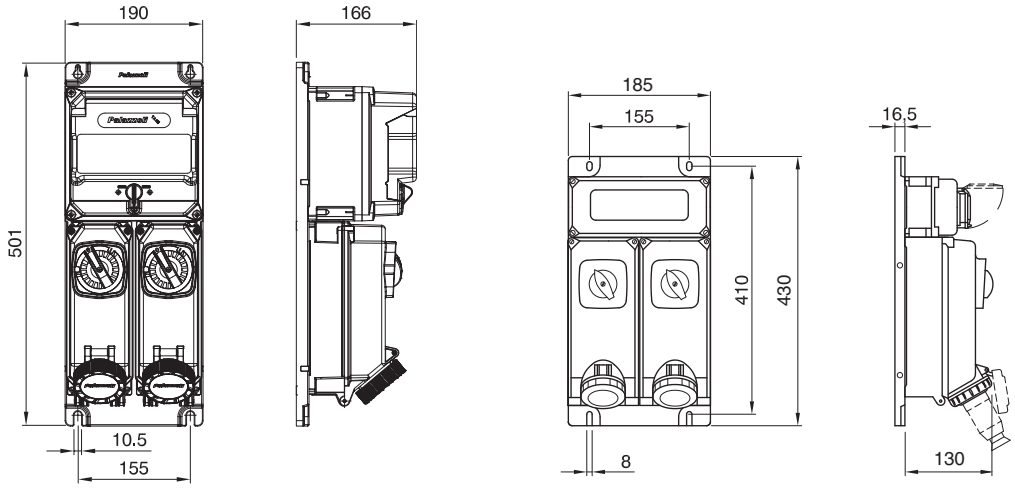
F6

ALUPRES / ALUPRES-Ex series - Modular box window dimensions

AS WIRED DISTRIBUTION BOARDS



topTER series - AS wired distribution boards

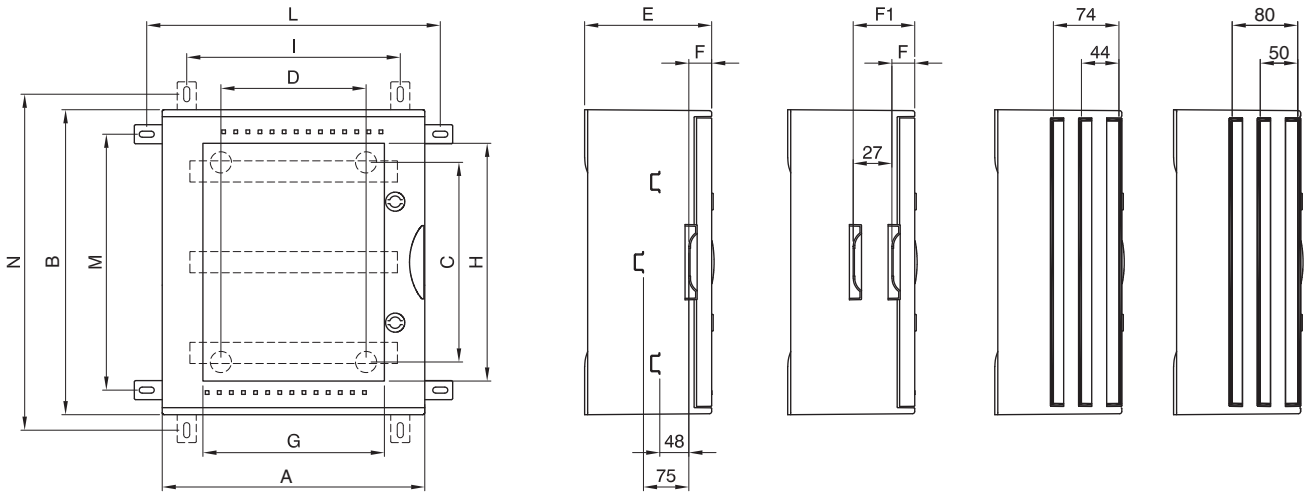


TAIS series - AS wired distribution boards

THERMOSETTING (GRP) DISTRIBUTION BOARDS AND FLOOR-STANDING DISTRIBUTION CABINETS

n. 2 possible distances
door block/door

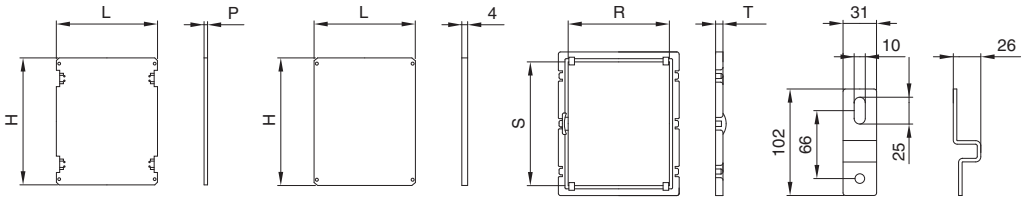
Misura 7



Sizes	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)	N (mm)
1	265	303	150	110	167	-	161	215	184	316	222	354
2	325	428	255	132	183	40	193	319	245	377	348	480
3	434	504	330	240	210	40	300	393	353	485	423	555
4	434	654	480	240	210	40	300	544	353	485	573	705
5	543	654	480	348	265	40	405	544	462	594	573	705
6	616	806	630	420	319	40	480	694	533	665	723	855
7	1056	810	885	600	355	54	639	875	713	845	974	1105

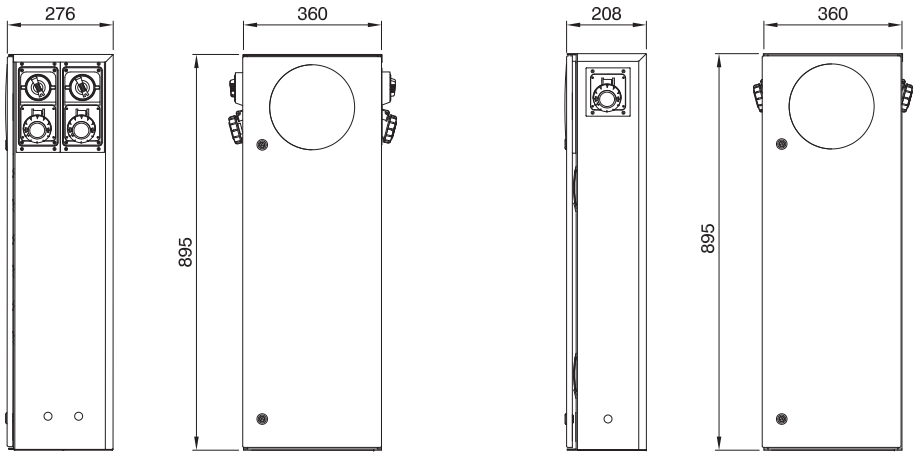
F1 (mm)
-
67
67-94
67-94
67-94-121-148
67-94-121-148-175-202
81-108-135-162-189-216

Modules
-
36 (3x12)
54 (3x18)
72 (4x18)
96 (4x24)
140 (5x28)
190 (5x38)



Sizes	L (mm)	H (mm)	P (mm)	R (mm)	S (mm)	T (mm)
1	199	240	1,5	-	-	-
2	242	365	1,5	210	314	20
3	350	440	2	318	389	20
4	350	590	2	318	539	20
5	458	590	2	425	539	20
6	530	740	2	498	689	20
7	710	990	2	677	938	25

Watertight thermosetting (GRP) distribution boards

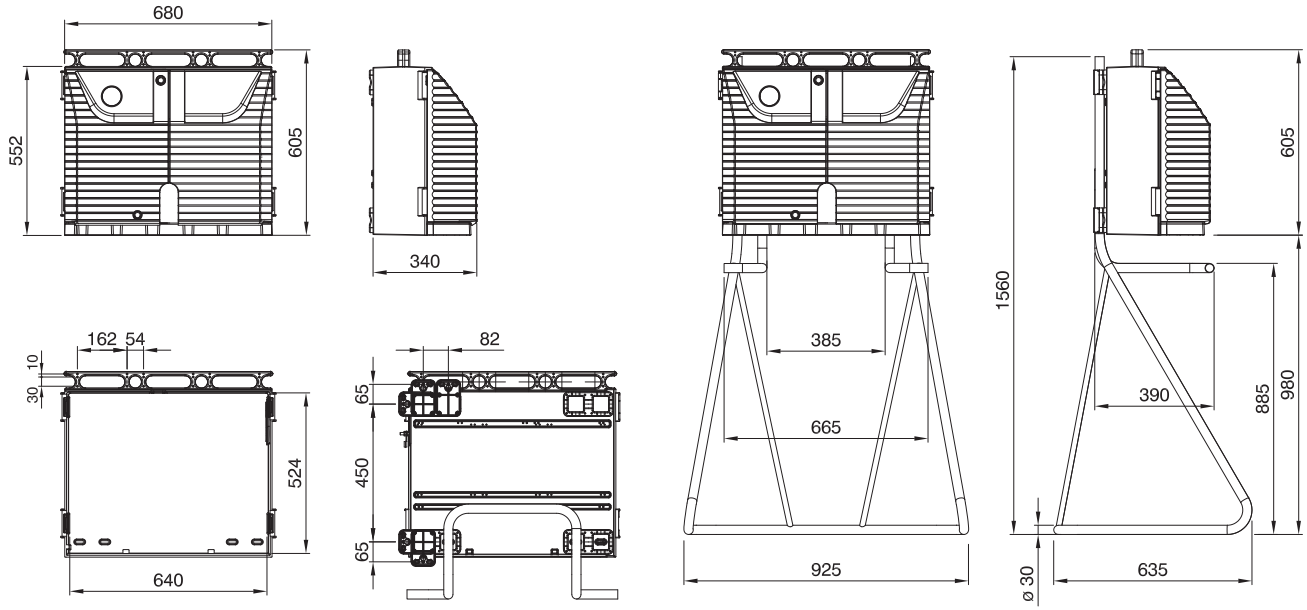


Standard

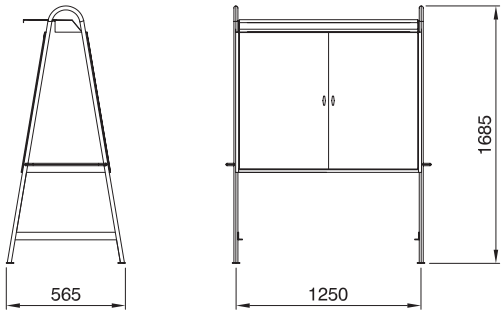
Compact

B-SMART Series - Ground distribution boards

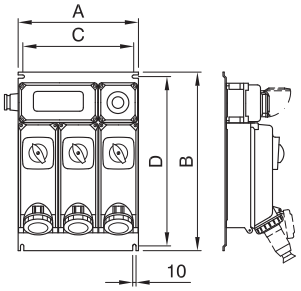
ACS CONSTRUCTION SITE DISTRIBUTION BOARDS



ENERGYBOX series - Wired ACS construction site distribution boards

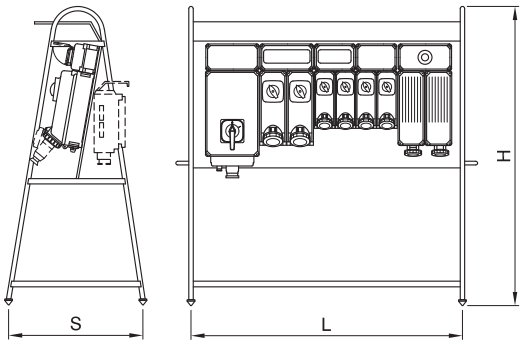


ENERGYBOX series - Cabinet in painted and zinc-plated steel



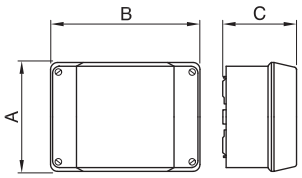
No. outputs	A (mm)	B (mm)	C (mm)	D (mm)
3	375	558	347	530
5	625	558	597	530

Type	L (mm)	H (mm)	S (mm)
MT1	1118	1335	565
MT2	1313	1335	565
MT3	1853	1685	748
FS1	803	1335	565
FS2	1313	1335	565
FS3	1853	1685	748



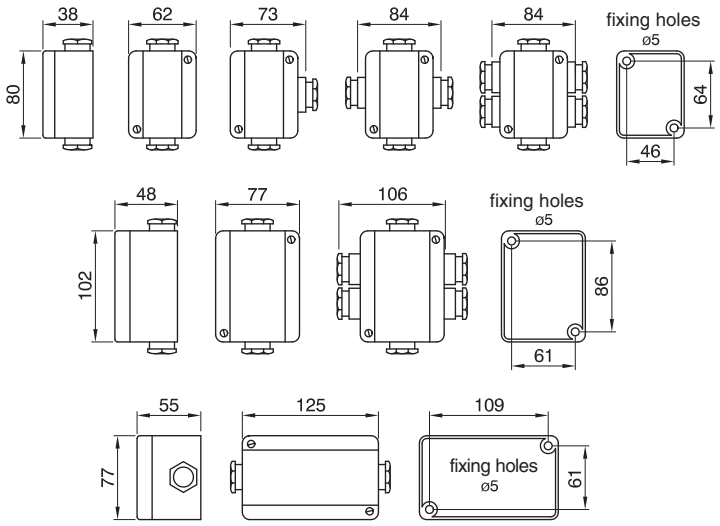
TAIS series - Distribution boards with ACS construction site direct and main outputs

WATERTIGHT JUNCTION BOXES

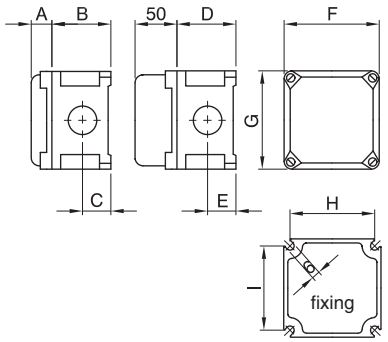


Codes	A (mm)	B (mm)	C (mm)
791910	88	88	53
791920	98	98	58
791930	119	139	49
791940	125	167	82
791950	160	200	97,5
791960	310	201	116

PH series – Watertight junction boxes

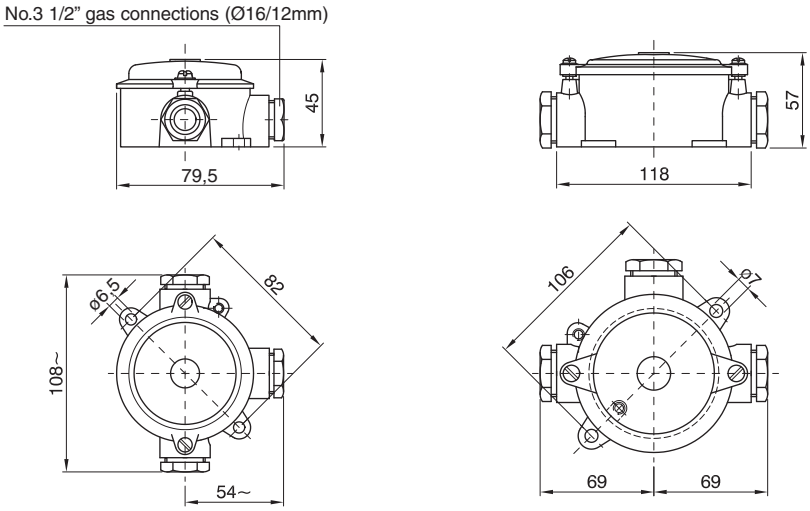


TAIS-MIGNON / TAIS-MIGNON-Ex series - Thermosetting (GRP) enclosures in thermosetting (GRP) material

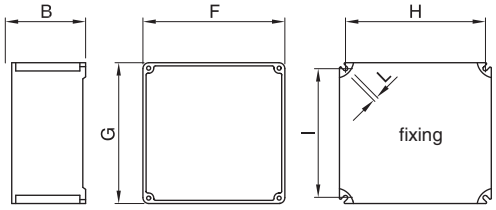


External dimensions FxG	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	H (mm)	I (mm)
92x92	18	50	25	50	25	78	78
125x92	18	50	25	50	25	111	78
185x92	18	50	25	50	25	171	78
125x125	25	75	37,5	75	37,5	109	109
185x125	25	75	-	75	-	169	109
250x125	25	75	-	75	-	234	109

TAIS / TAIS-Ex series - Thermosetting (GRP) enclosures for junction boxes



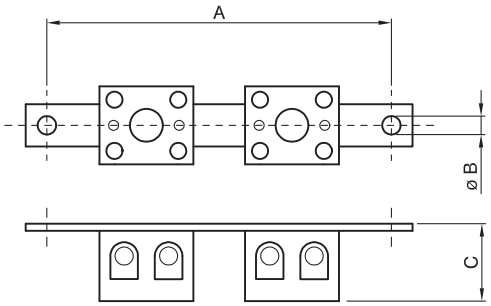
RONDÓ / RONDÓ-EX series - Enclosures for aluminium junction boxes

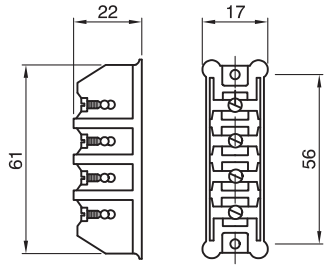


External dimensions	B (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)
92x92	42	92	92	78	78	6
125x125	63	125	125	111	111	6
185x125	63	185	125	171	111	6
155x155	63	155	155	141	141	6
185x185	95	185	185	171	171	6
252x185	95	252	185	236	169	7
315x252	140	315	252	300	224	9

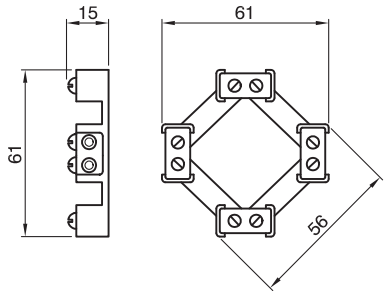
ALUPRES / ALUPRES-Ex series - Enclosures for aluminium junction boxes

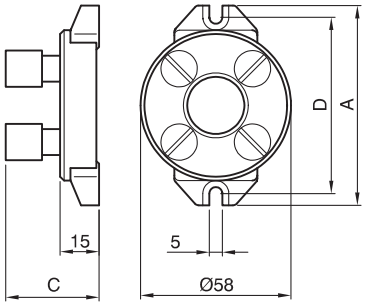
CONNECTION AND JUNCTION TERMINAL BLOCKS

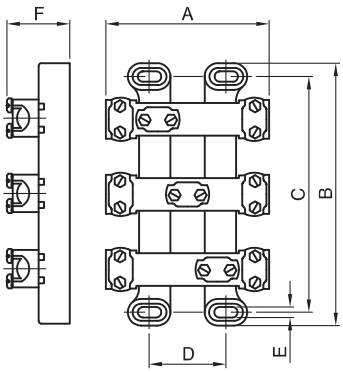


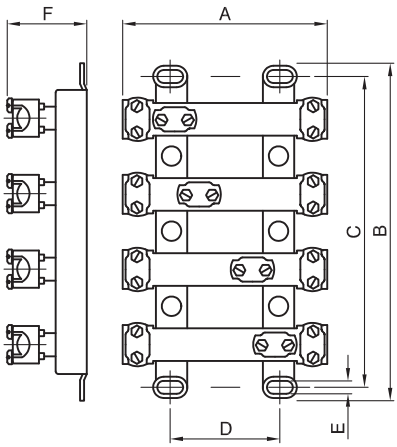


Codes	A (mm)	ØB (mm)	C (mm)	head of the screw that protrudes from the terminal block (mm)	Notes
532725	70	4,75	19,5	-	-
532735	70	4,75	24,5	-	-
532745	98	4,75x7	19,5	-	(**B**) Slot
532747	100	4,75	25,2	28,2	-
532748	175	4,75	25,5	-	-
532755	70	4,75	22,5	-	-
532765	98	4,75x7	19,5	-	(**B**) Slot
532768	175	4,75	30	-	-







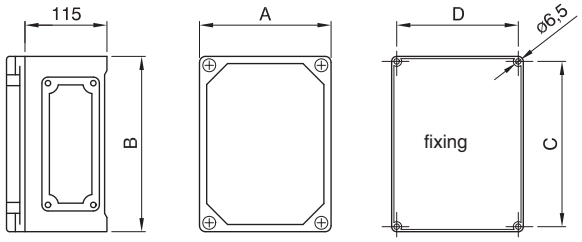


Codes	A (mm)	C (mm)	D (mm)
112094	57	31	49
113094	77	35	68
113194	77	42	68

Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
159030	59	78	69	-	5	27
159032	78	101	88	32	5,5	29
159033	86	128	110	40	6,5	38
159034	100	150	134	55	7,5	46
159035	128	196	176	62	7,5	56
159036	178	240	222	76	7	80
159037	232	294	274	88	7	88

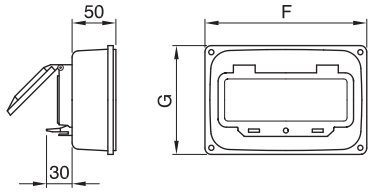
Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
159040	70	101	88	32	5,5	27
159042	92	128	110	40	6,5	32
159043	102	150	134	55	7,5	43
159044	119	196	176	62	7,5	50
159045	154	240	222	76	7	64
159046	222	294	274	88	7	80

CONTACT / CONTACT-Ex series - junction terminal blocks



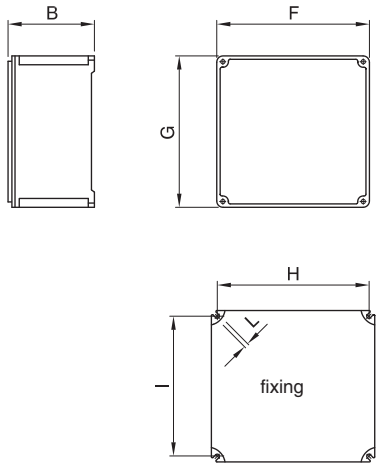
External dimensions	A (mm)	B (mm)	C (mm)	D (mm)
185x185	185	185	159	159
250x185	250	185	224	159
250x250	250	250	224	224
250x370	250	370	344	224
370x500	370	500	474	344

TAIS / TAIS-Ex series - Modular enclosures

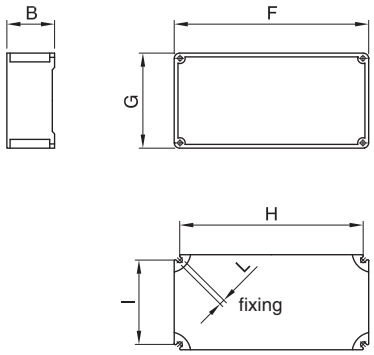


External dimensions	F (mm)	G (mm)
125x125	125	125
185x125	185	125
185x185	185	185
252x125	252	125
252x185	252	185

ALUPRES series - Covers with transparent door



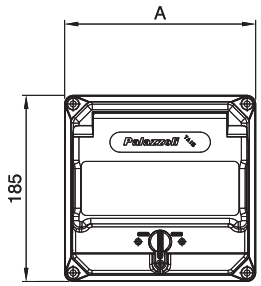
External dimensions	B (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)
92x92	42	92	92	78	78	6
125x125	63	125	125	111	111	6
185x125	63	185	125	171	111	6
155x155	63	155	155	141	141	6
185x185	95	185	185	171	171	6
252x185	95	252	185	236	169	7
315x252	140	315	252	300	224	9

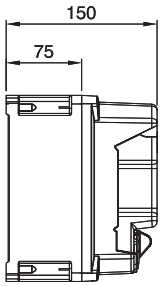


External dimensions	B (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)
92x92	42	92	92	78	78	6
125x92	42	125	92	111	78	6
185x92	42	185	92	171	78	6
125x125	63	125	125	111	111	6
185x125	63	185	125	171	111	6
252x125	63	252	125	238	111	6
155x155	63	155	155	141	141	6
185x185	95	185	185	171	171	6
252x185	95	252	185	236	169	6
220x220	95	220	220	205	192	6
252x252	140	252	252	237	224	6
315x252	140	315	252	300	224	6
507x252	140	507	252	492	224	9
295x295	105	295	295	280	266	9
315x315	140	315	315	300	286	9
373x373	140	373	373	353	330	12
507x373	140	507	373	487	330	12
630x373	140	630	373	610	330	12
630x507	140	630	507	610	464	12

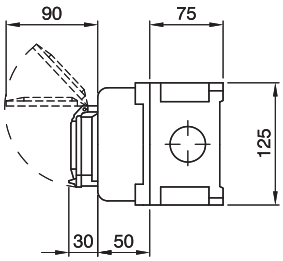
ALUPRES / ALUPRES-Ex - series Modular enclosures

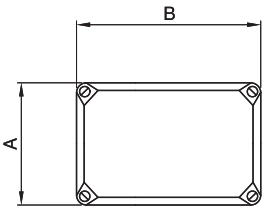
POWER
DISTRIBUTION UNITS

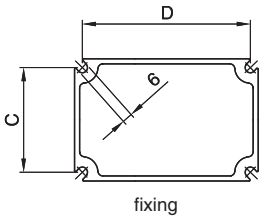




Code	A
532300	125
532301	190
532302	250
532303	290
532304	380



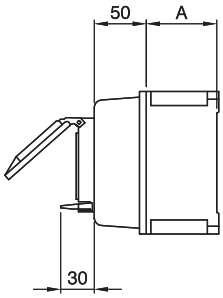


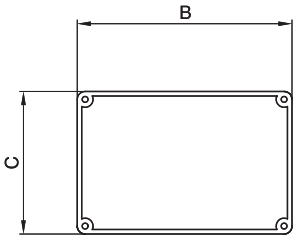


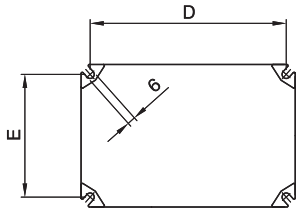
fixing

External dimensions	A (mm)	B (mm)	C (mm)	D (mm)
125x125	125	125	109	109
185x125	185	125	109	169
250x125	250	125	109	234

TAIS series - Distribution control units in thermosetting (GRP) material - IP67



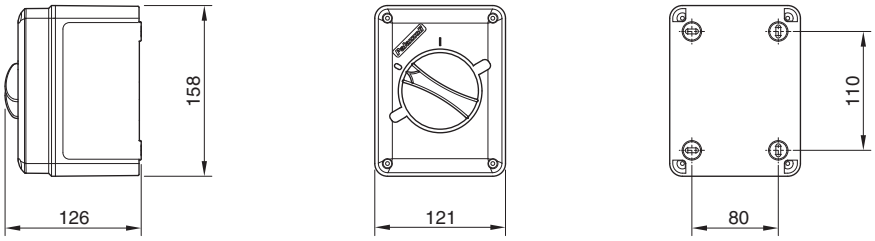




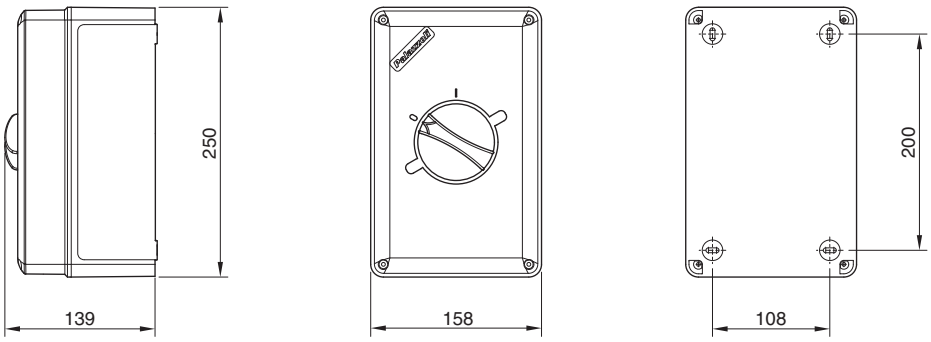
fixing

External dimensions	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
125x125	63	125	125	111	111
185x125	63	185	125	171	111
185x185	95	185	185	171	171
252x125	95	252	125	238	111
252x185	95	252	185	238	171

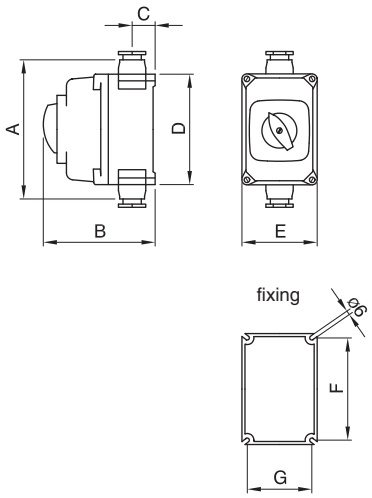
ALUPRES series - Distribution control units in aluminium alloy - IP67



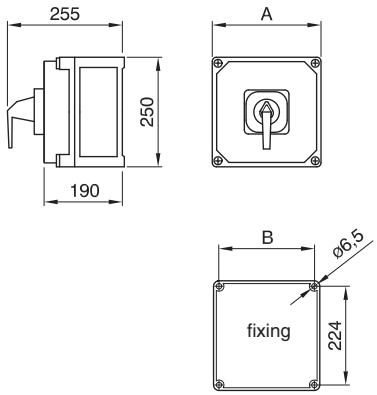
CAM-ST series - 16A and 32A isolator switches in thermoplastic enclosure



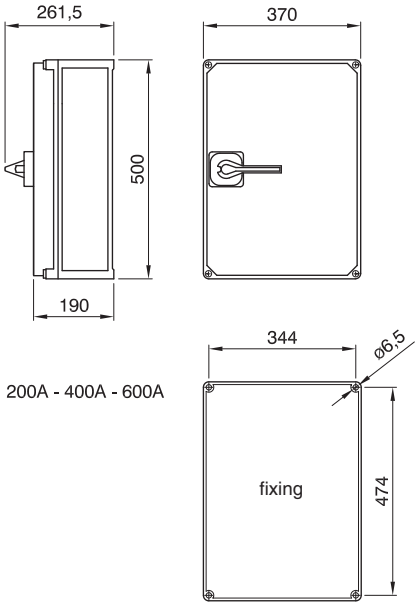
CAM-ST series - 40A and 100A isolator switches in thermoplastic enclosure



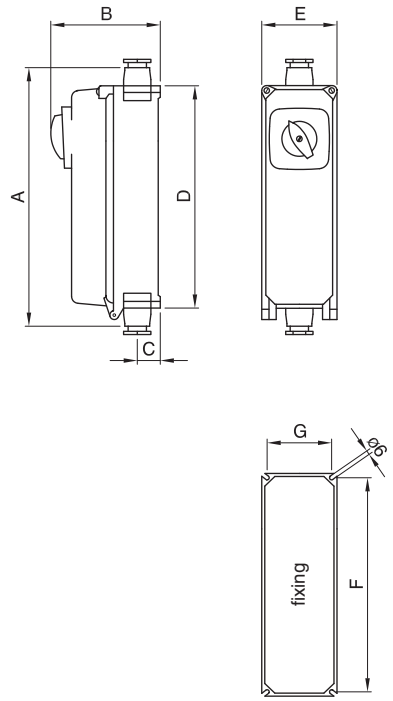
Power (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
16-25	159	122	25	125	92	111	78
40-63	235	165	37,5	185	125	169	109



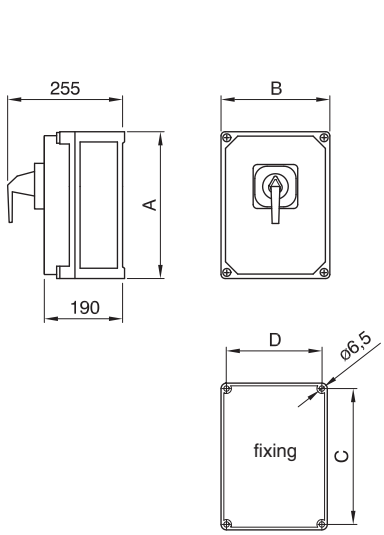
Power (A)	A (mm)	B (mm)
100-200	185	159
200	250	224



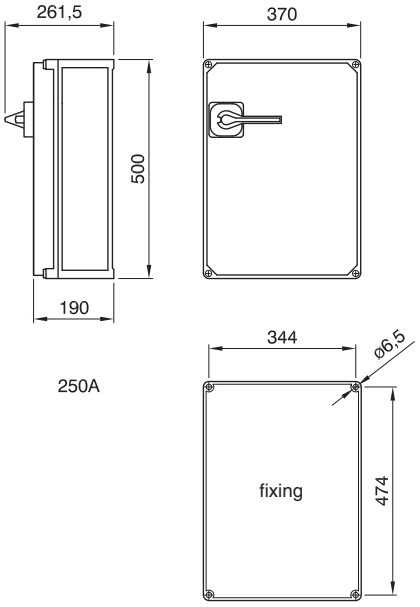
CAM / CAM-Ex series – Rotary control devices in thermosetting (GRP) enclosure



Power (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
25	280	130	25	240	92	226	78
40-63	381	176	37,5	335	125	319	109

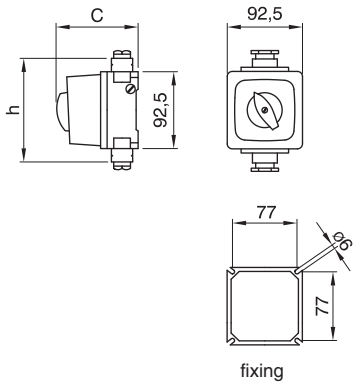


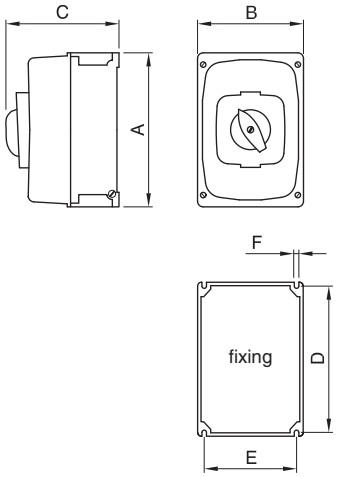
Power (A)	A (mm)	B (mm)	C (mm)	D (mm)
100	370	250	344	224
200	500	370	474	344

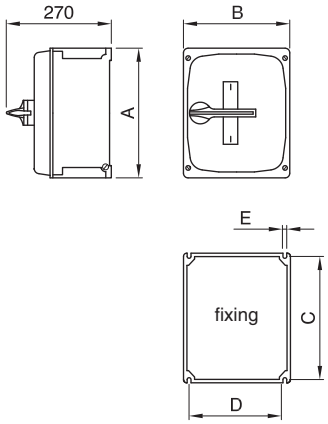


CAM / CAM-Ex series – Rotary control devices in thermosetting (GRP) enclosure with fuse-holder base

WALL MOUNTED
ROTARY SWITCHES







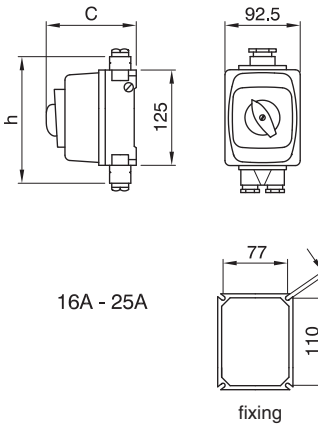
Code	h (mm)	C (mm)
272141	130	87
272142	130	103
272143	130	103
272148	130	87

Code	h (mm)	C (mm)
272178	130	103
272241	137	87
272242	137	103
272243	137	103

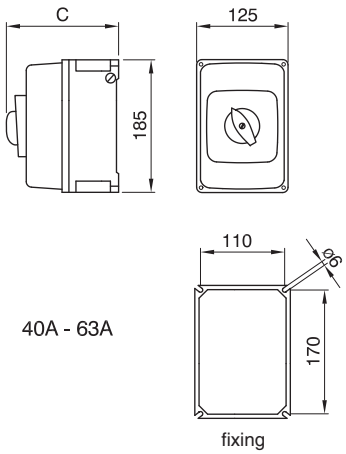
Power (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
40	125	125	137	110	110	6
40	185	125	150	170	110	6
63	185	125	150	170	110	6
63-6P	185	125	170	170	110	6
100	252	185	230	237	170	7
200	315	220	240	299	192	9

Power (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
400	315	315	299	286	9
800-1200	507	507	485	464	12

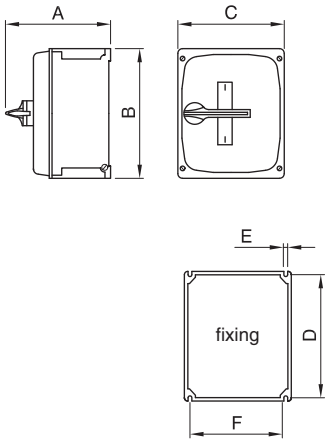
CAM / CAM-Ex series - Watertight switches in metal enclosure



16A - 25A



40A - 63A



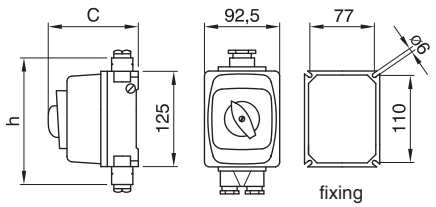
Code	h (mm)	C (mm)
272144	176	120
272146	173	120
272147	173	135
272244	176	120
272246	176	120
272247	176	135

Code	C (mm)
272304	150
272306	150
272307	170
273212	150
272313	170

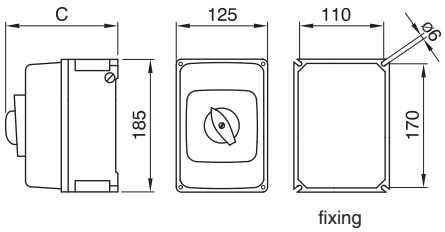
Code	C (mm)
272402	150
272403	150
272404	170
272406	170
272412	170

Power (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
63	195	185	252	170	7	237
100	270	315	315	299	9	286
100	270	315	252	299	9	223
200	270	373	373	351	12	330
400	270	507	507	485	12	464

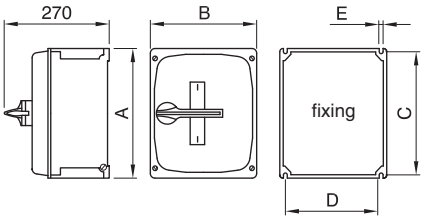
CAM / CAM-Ex series – Watertight selector switches in metal enclosure



16A - 25A



40A - 63A



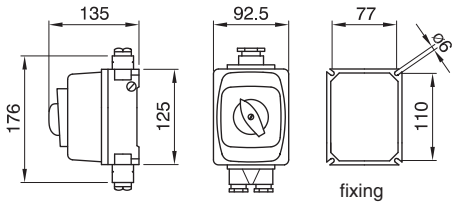
Code	h (mm)	C (mm)
272152	162	120
272252	169	120

Code	C (mm)
272304	150
272306	150
272307	170
272312	150
272313	170

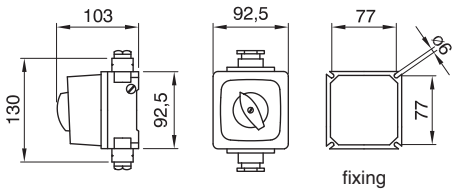
Code	C (mm)
272402	150
272403	150
272404	170
272406	170
272412	170

Power (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
100	315	315	299	286	9
200	373	373	351	330	12

CAM series - Reversing switches and starters in metal enclosure

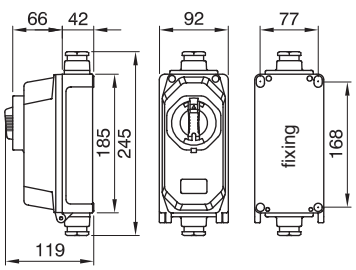


16A - 25A

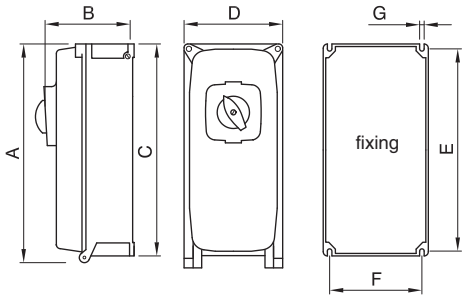


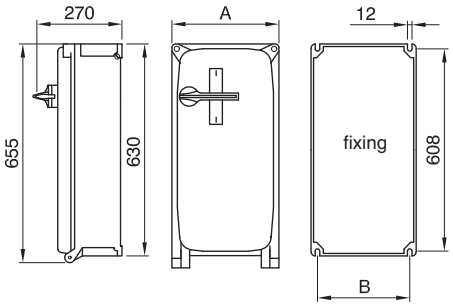
16A

CAM series - Watertight two-way switches, changing switches and reversing switches in metal enclosure



25A

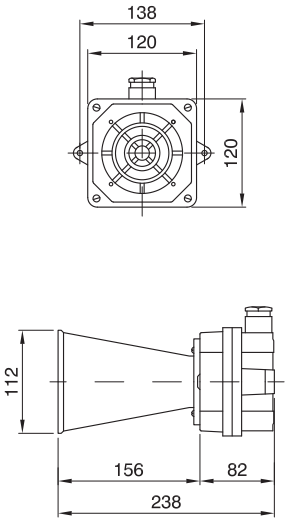




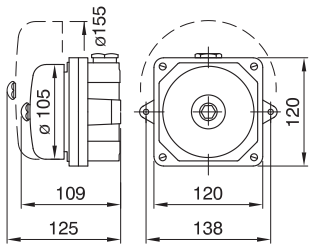
Power (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
40-63	264	152	252	125	237	110	6
100	386	230	373	185	356	168	7
200	525	240	507	220	491	192	9

Power (A)	A (mm)	B (mm)
400	315	272
600	373	330

CAM / CAM-Ex series – Watertight switches in metal enclosure with fuse holder base

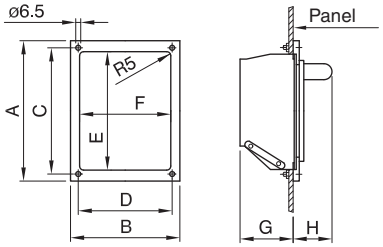


ALARM / ALARM-Ex series - Sirens



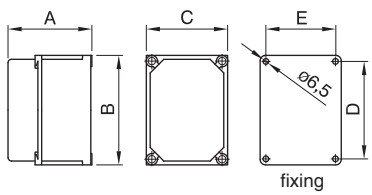
ALARM / ALARM-Ex series - Bells

FUSE-HOLDER UNITS AND BASES



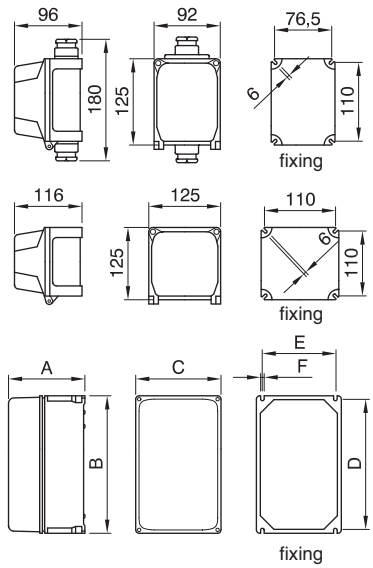
Codes	measurements in mm							
	A	B	C	D	E	F	G	H
333063 (250A gr.1 reduced)	300	230	280	214	264	210	98	70
333075 (630A gr.3)	300	300	280	284	264	280	123	70

SAFE series - Fuse-holder unit for distribution boards



Codes	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
333141	190	250	185	224	159
333142	190	250	250	224	224
333163	190	370	250	344	224

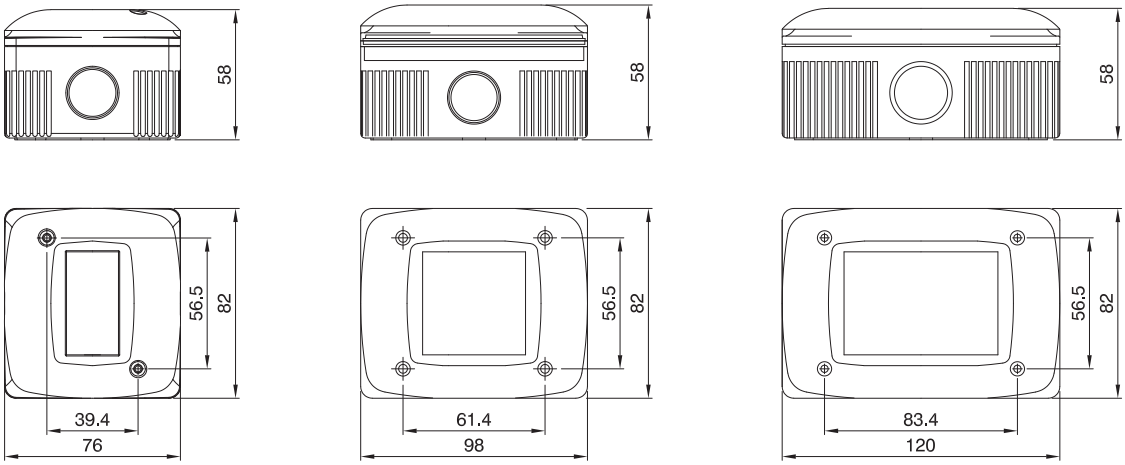
SAFE series - Fuse-holder unit in insulating enclosure



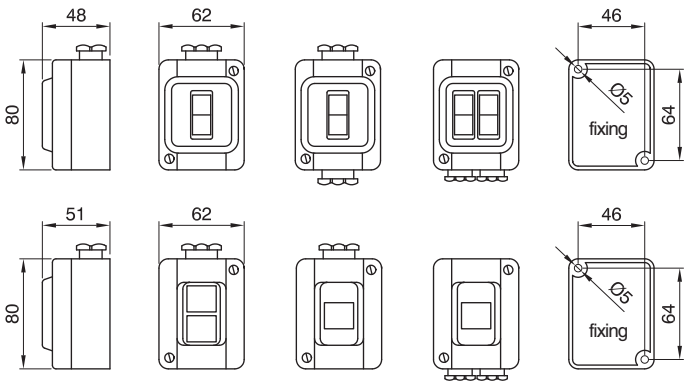
Codes	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
333051	154	252	185	237	170	7
333032	189	315	220	299	192	9
333053	196	373	252	357	224	9
333055	223	373	373	351	330	12

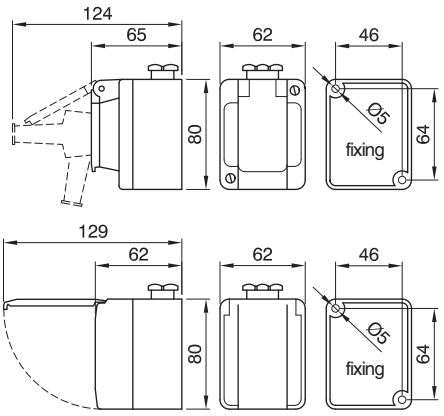
SAFE series - Fuse-holder unit in metal enclosure

SMALL DEVICES
IN MODULAR ENCLOSURES

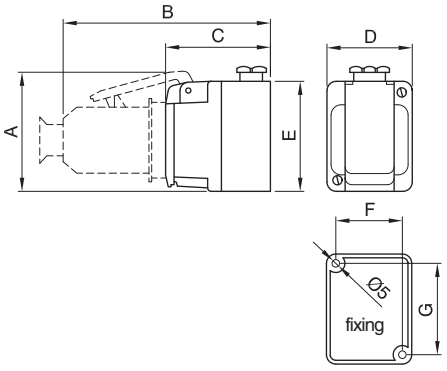


DomoTER series protected wall-mounted enclosures



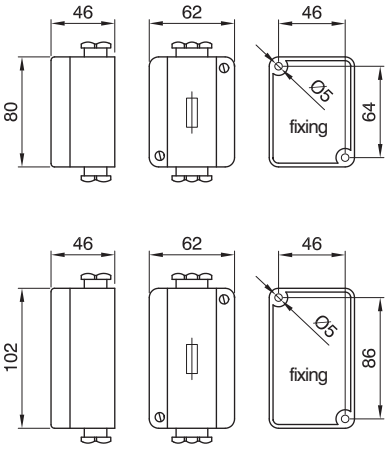


TAIS-MIGNON / TAIS-MIGNON-Ex series switches, two-way and selector switches, push-buttons

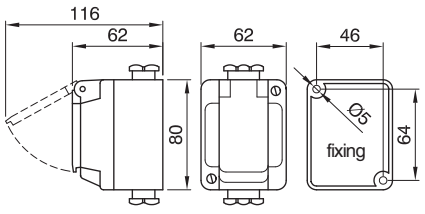


Rated current (A)	No. poles	measurements in mm						
		A	B	C	D	E	F	G
16	2P+⏚	87	145	75	62	80	46	64
	3P+⏚	87	152	75	62	80	46	64
	3P+N+⏚	108	158	82	77	102	61	86
	2P / 3P	85	167	76	62	80	46	64

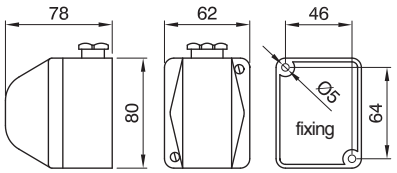
TAIS-MIGNON series
Wall-mounting protected industrial socket-outlets



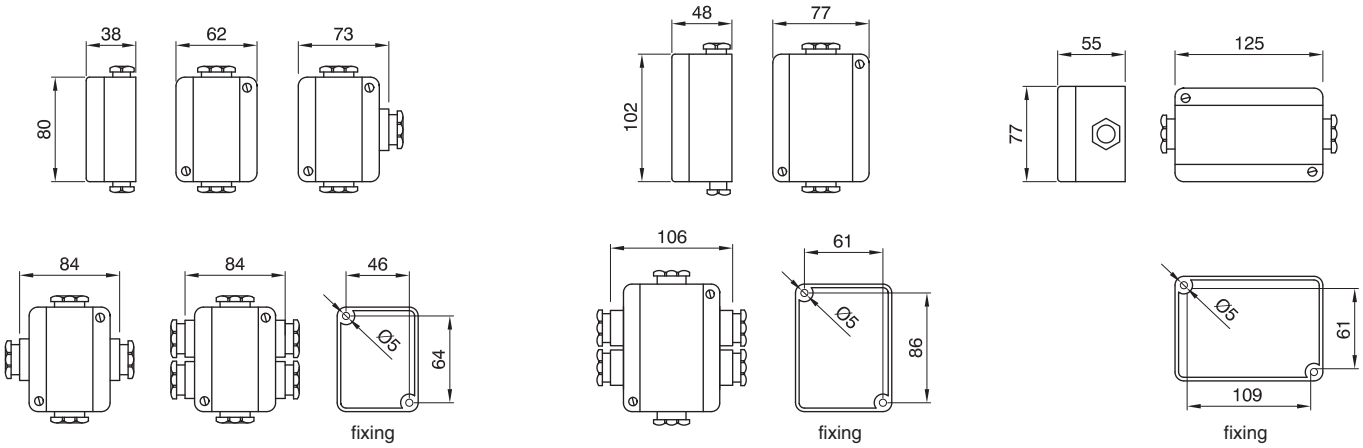
TAIS-MIGNON / TAIS-MIGNON-Ex series
Fuses in wall-mounting watertight enclosure



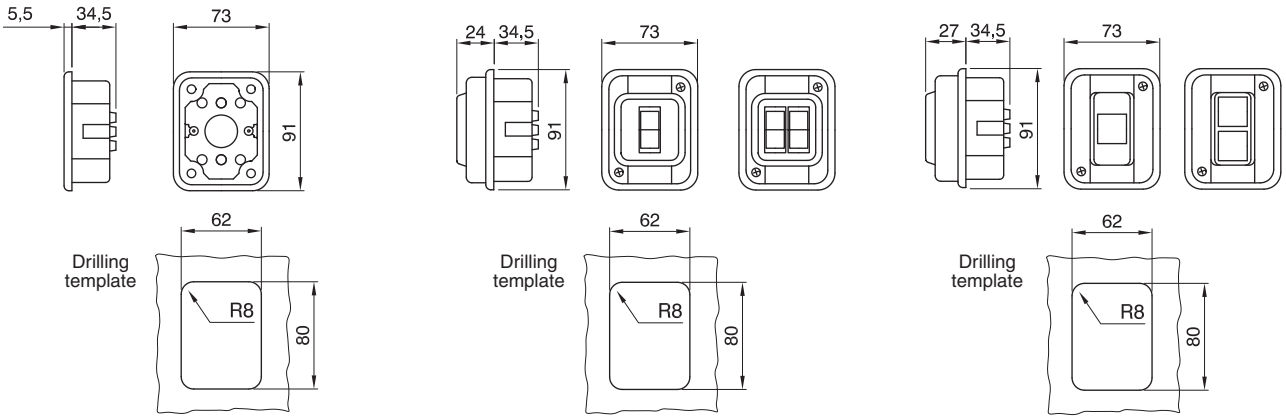
TAIS-MIGNON series Wall mounted domestic socket-outlets
Protected wall-mounted enclosures
Wall-mounting protected enclosures for Ticino Magic



TAIS-MIGNON / TAIS-MIGNON-EX series
Signal lamps in wall-mounting watertight enclosure



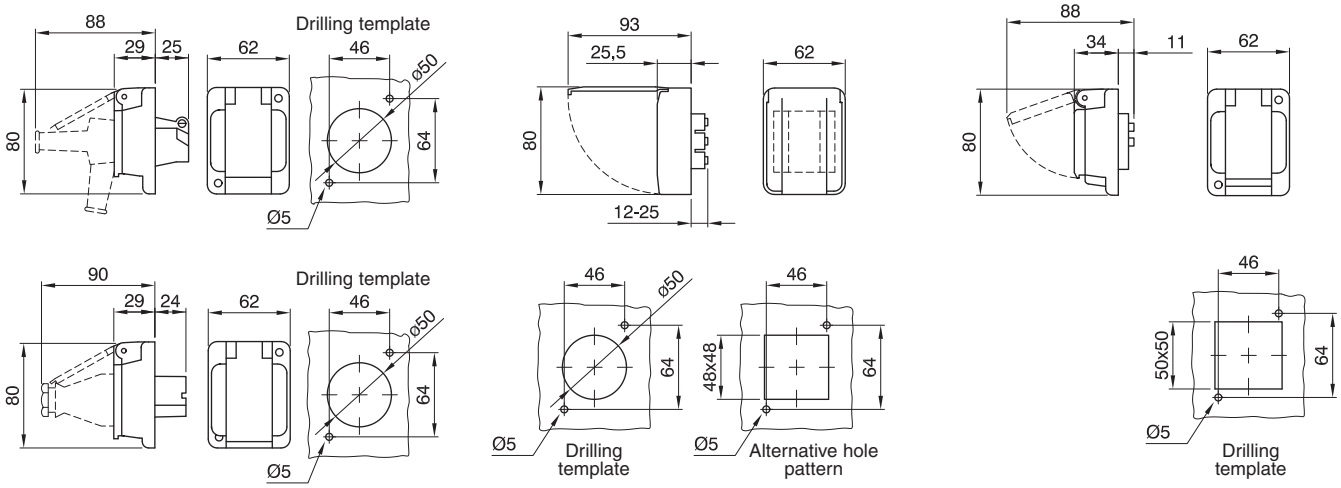
TAIS-MIGNON series - Enclosures for junction boxes



TAIS-MIGNON series - Modular panel boxes

TAIS-MIGNON series - Panel switches, two-way switches and selector switches

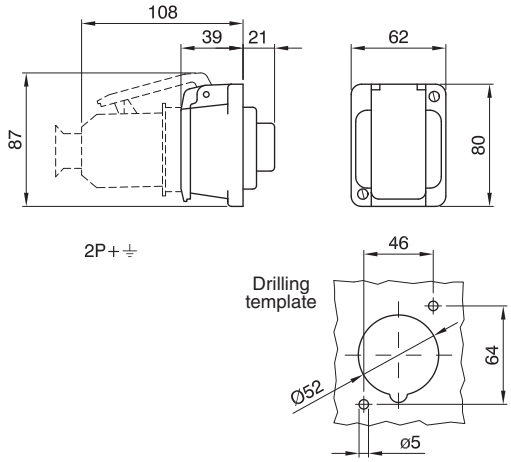
TAIS-MIGNON series Panel push-buttons

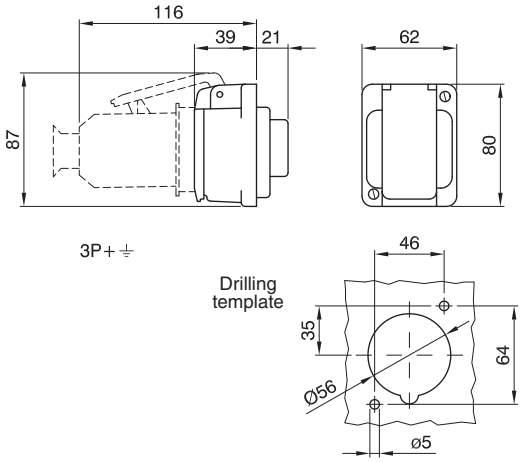


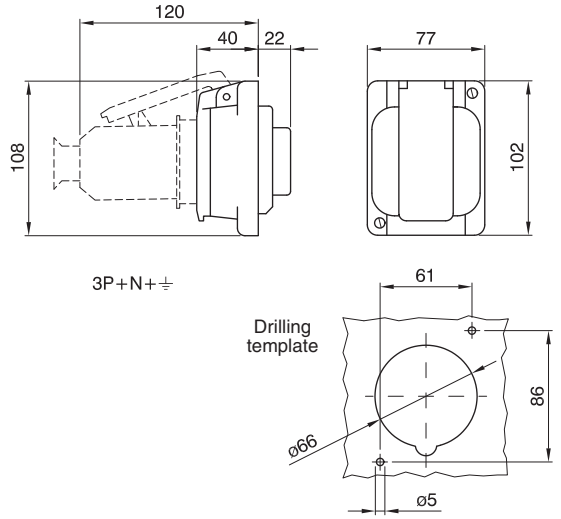
TAIS-MIGNON series - Flush-mounted socket-outlets in protected enclosure

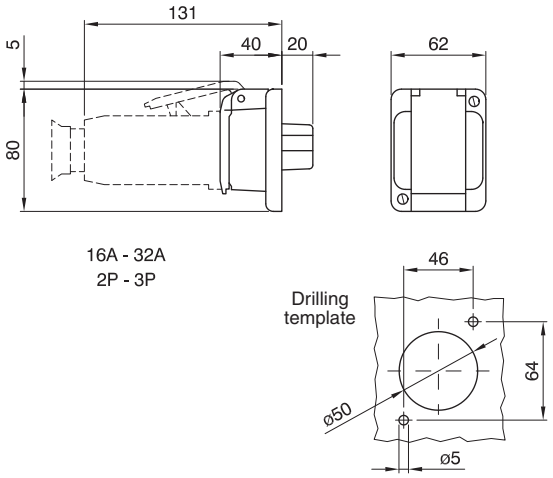
TAIS-MIGNON series - Protected flush-mounted supports

TAIS-MIGNON series - Protected flush-mounted supports for Ticino Magic

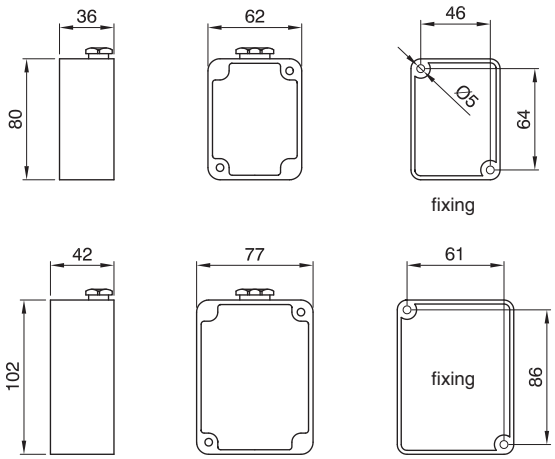




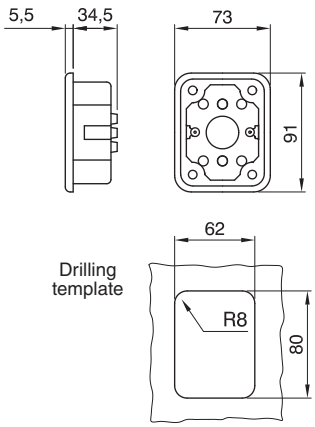




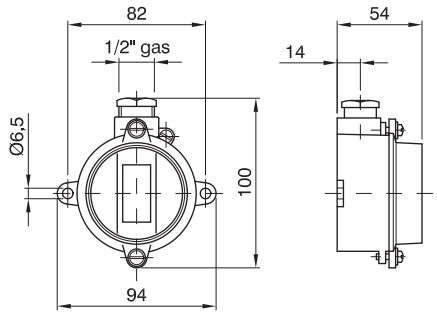
TAIS-MIGNON series - Flush-mounted industrial socket-outlets



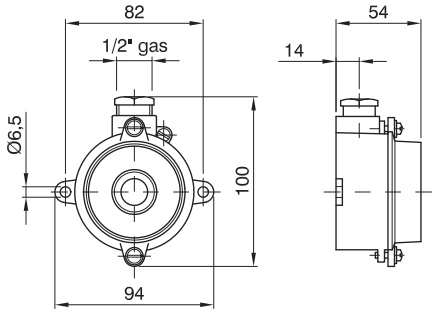
TAIS-MIGNON series - Wall-mounting bottom boxes



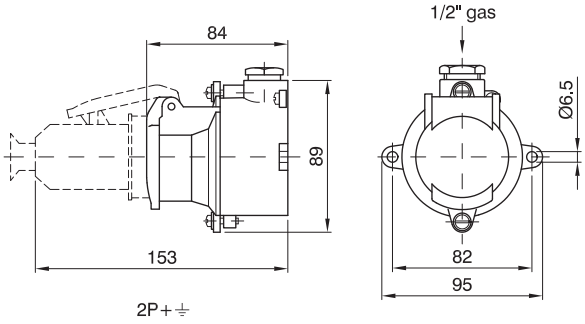
TAIS-MIGNON series - Panel-mounting bottom box

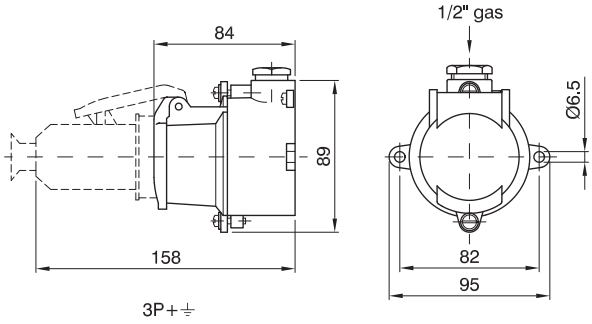


RONDÒ / RONDÒ-Ex series - Switches, two-way switches and selector switches in wall-mounted watertight enclosure

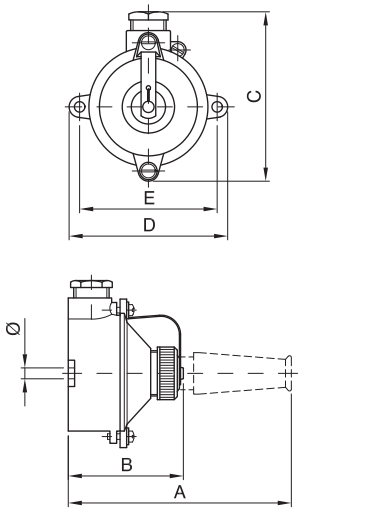


RONDÒ / RONDÒ-Ex series - Push-buttons in wall-mounted watertight enclosures



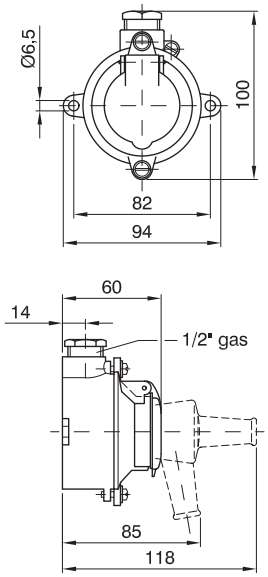


RONDÒ series - Protected wall-mounted industrial socket-outlets

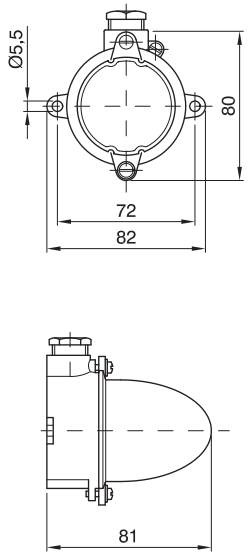


Device	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø (mm)
Concentric socket-outlet 6A	135	71	99	94	82	6,5
Concentric socket-outlet 10A	146	71	99	94	82	6,5

RONDÒ series - Concentric plug protected wall-mounted socket-outlets

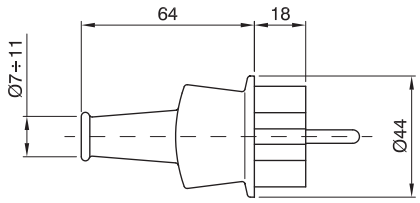


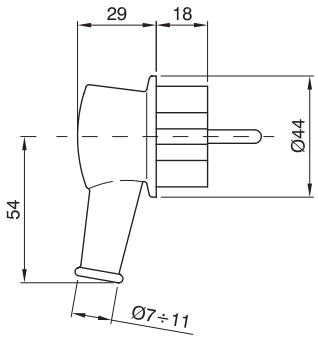
RONDÒ series - Protected wall-mounted Italian/German standard socket-outlets



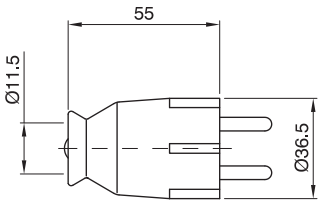
RONDÒ / RONDÒ-Ex series Wall-mounted signal lamps

DOMESTIC PLUGS

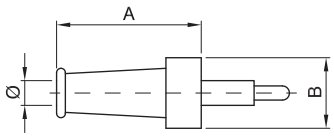




SPIN series - German standard protected plug in impact-proof rubber IP44

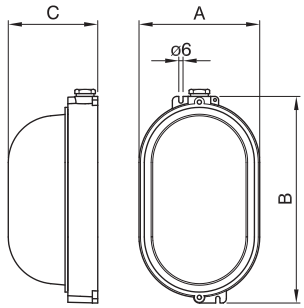


SPIN series - German standard protected plug IP44



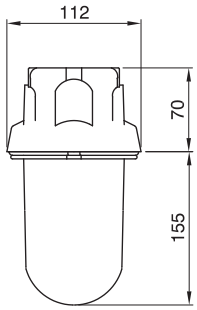
Code	A (mm)	B (mm)	Ø (mm)
P407030	75	33	10
P407031	84	39	14

SPIN series
Concentric pin plug - IP54



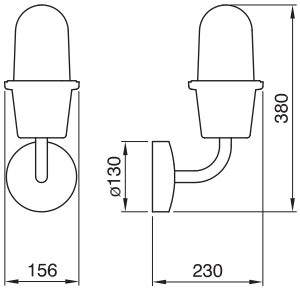
Code	A (mm)	B (mm)	C (mm)	Weight (kg)
860100 - 861100	130	226	105	2,0
860200 - 861200	170	295	127	3,5
860211 - 861211	170	295	135	5,0

NAUTILUX series - Brass oval lighting fixtures IP66 Brass oval wall lighting fixtures IP44



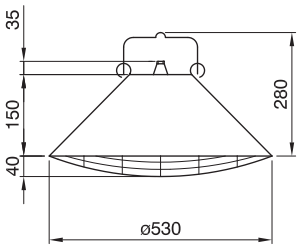
Code	Weight (kg)
860140	2,5

NAUTILUX series - Brass lighting fixtures- IP66



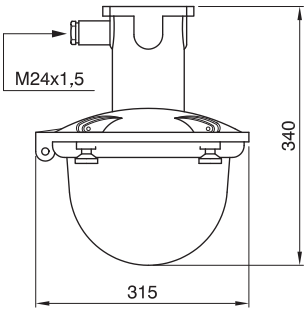
Code	Weight (kg)
861140	2,5

NAUTILUX series - Brass wall lighting fixtures IP44



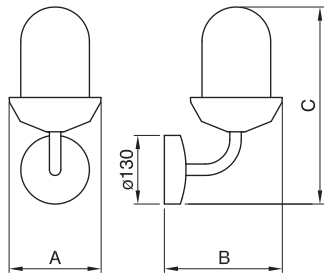
Code	Weight (kg)
861507	3,4
861508	4,2

NAUTILUX series - Pendant lamp IP22



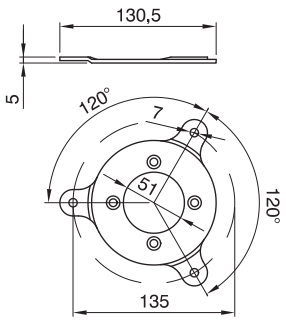
Code	Weight (kg)
860240	10,1

NAUTILUX series - Brass large lighting fixture 200W IP66



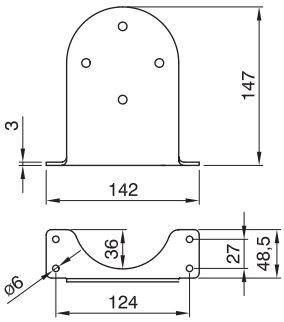
Code	A (mm)	B (mm)	C (mm)	Weight (kg)
816071	126	195	320	1,4
816171	157	200	340	2,0
816271	194	230	380	2,9

NAUTILUX series - Brass wall lighting fixtures IP44



860990

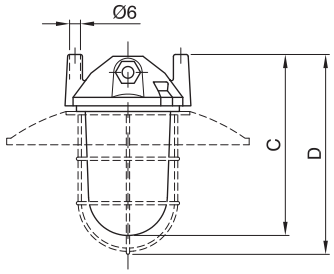
NAUTILUX series - Nickel-plated steel plates for ceiling installation

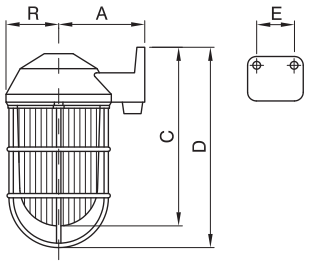


860900

NAUTILUX series - Stainless steel plates for wall installation

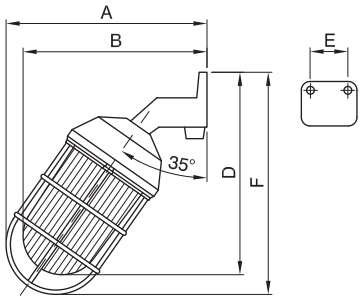
LIGHTING FIXTURES AND LUMINAIRES IN ALUMINIUM ALLOY





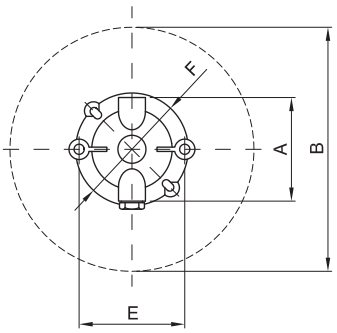
Code	A (mm)	R (mm)	C (mm)	D (mm)	E (mm)
811071	86	57	175	195	35
811171	105	71	192	207	43
811271	125	89	231	251	49

RINO series - Watertight wall-mounted lighting fixtures



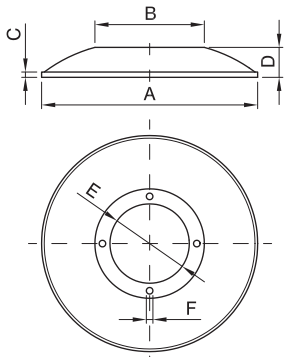
Code	A (mm)	B (mm)	D (mm)	F (mm)	E (mm)
813071	225	209	163	177	35
813171	246	230	183	197	43
813271	284	263	214	233	49

RINO series - Watertight angled wall-mounted lighting fixtures



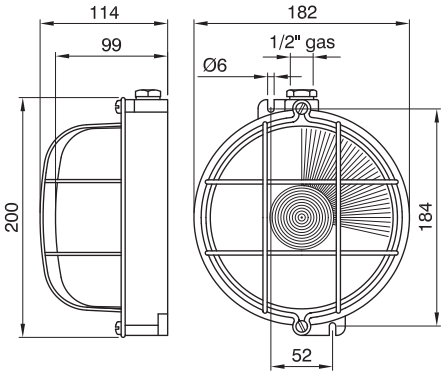
Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
60W	106	245	180	200	108	113
100W	134	275	200	220	135	140
200W	170	325	245	265	172	177

RINO series - Watertight pendant and ceiling installation lighting fixtures

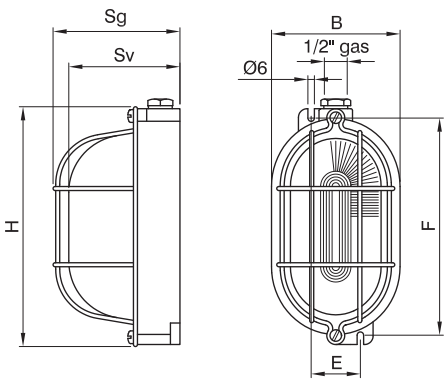


Codes	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
819030	245	124	6	34	90	7,5
819130	275	155	7	42	116	8
819230	325	196	7	42	150	8

RINO series - Reflectors for lighting fixtures

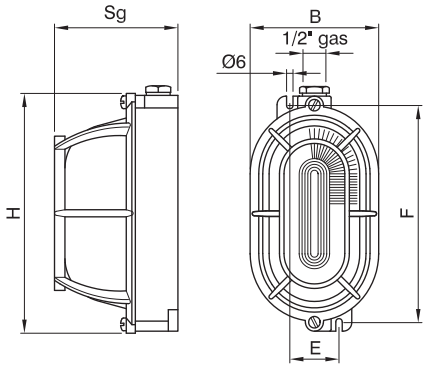


RINO/RINO-Ex series Watertight round luminaires



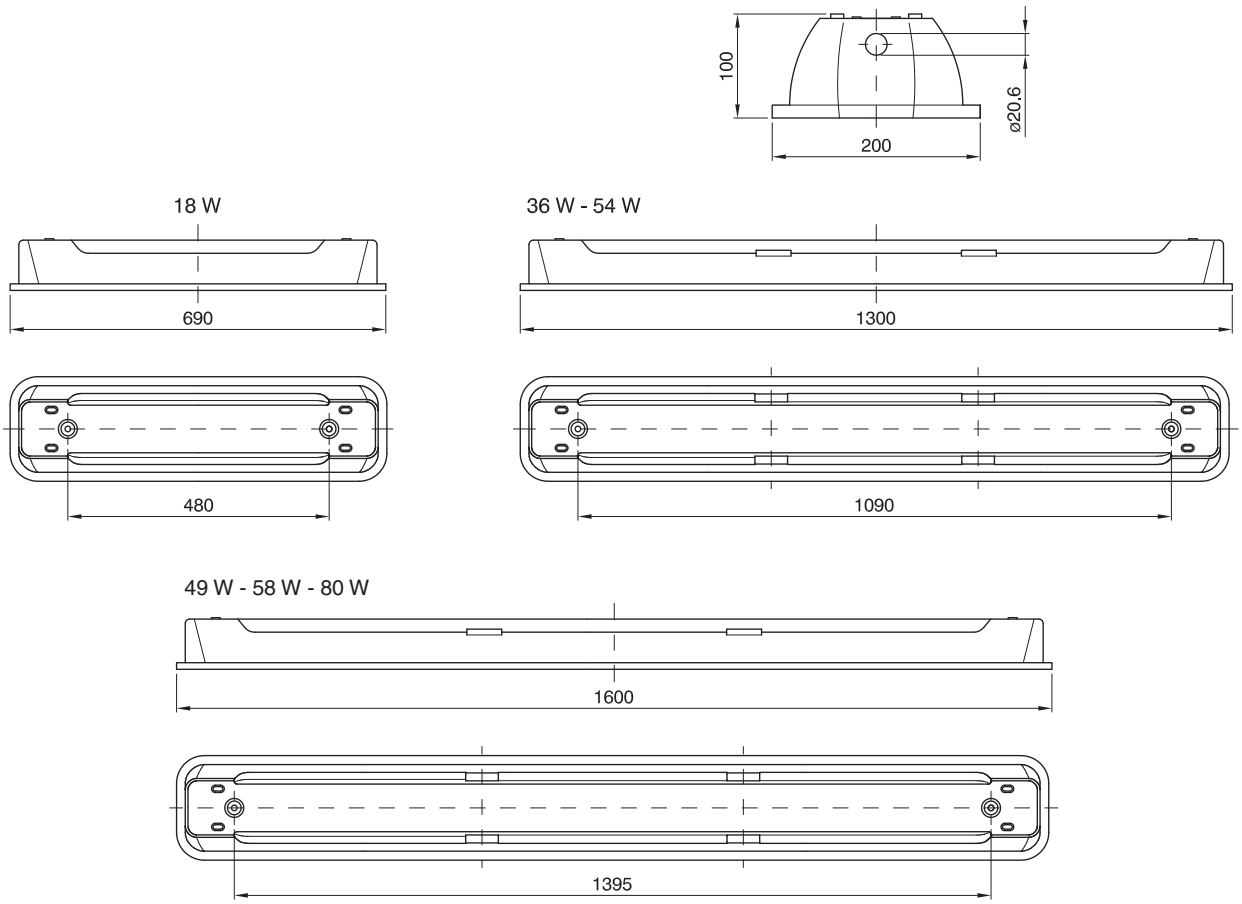
Oval lighting fixtures	Without cage Sv
60W	100
100W	105
200W or 5-7-9W	127

With Sg wire cage Sg	Common sizes in mm. B	H	E	F
119	112	199	42	184
122	130	226	42	210
142	170	295	52	278

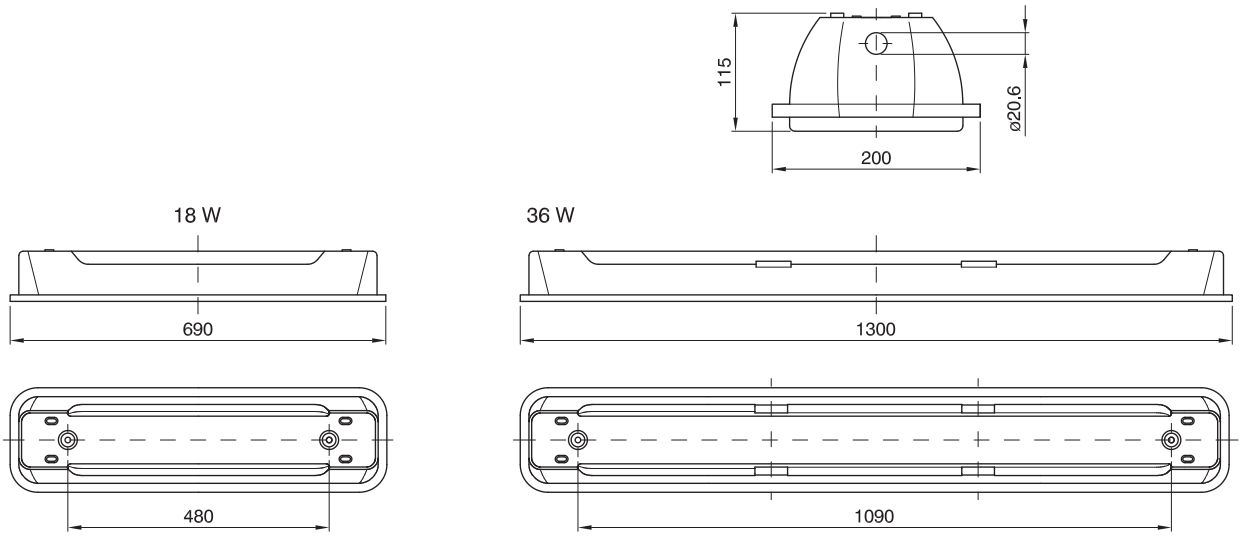


Oval lighting fixtures	With die-cast cage B	H	Sg	E	F
60W	115	201	106	42	184
100W	133	229	113	42	210
200W or 5-7-9W	174	297	137	52	278

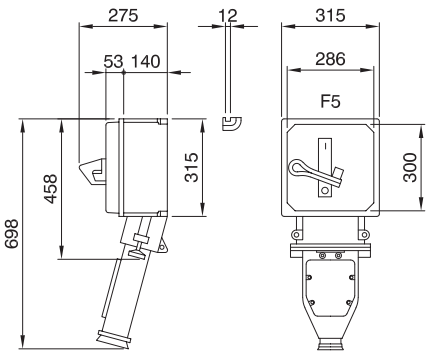
RINO / RINO-Ex series - Oval watertight lighting fixtures



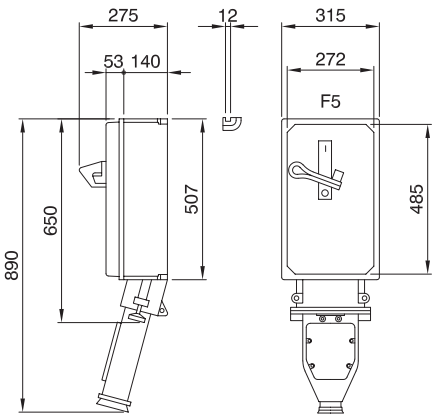
RINO series - Watertight lighting fixtures with glass diffuser



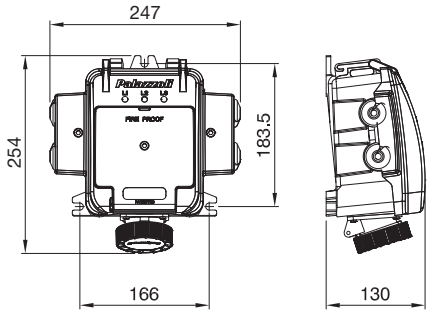
RINO series - Watertight lighting fixtures with polycarbonate diffuser

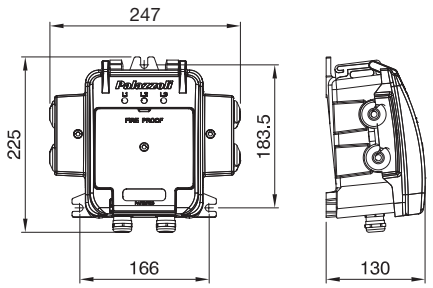


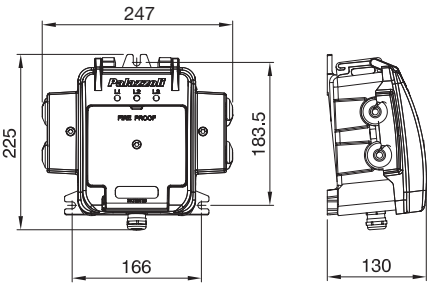
TUNNEL series - 63A plugs and socket-outlets for tunnel jetfans

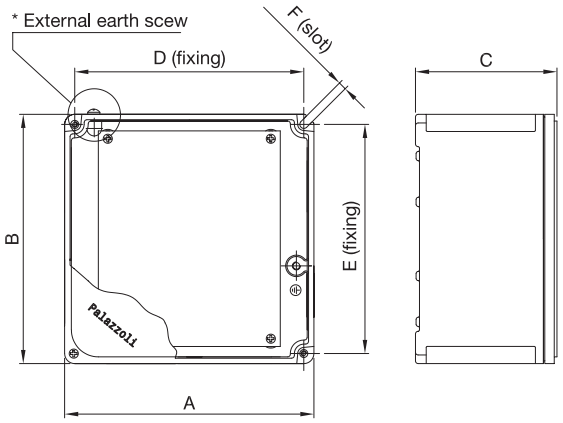


TUNNEL series - 125A plugs and socket-outlets for tunnel jetfans



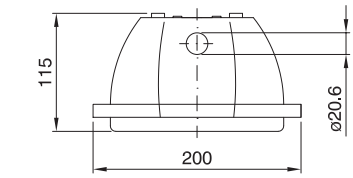




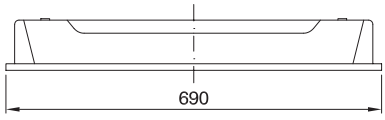


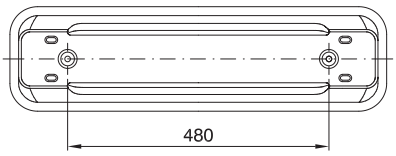
A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	*screw
185	185	105	171	171	6	M6
252	185	152	236	169	7	M6
185	252	152	169	236	7	M6
252	315	193	224	300	9	M10
315	252	193	300	224	9	M10

TUNNEL series - Enclosures for tunnel IP66

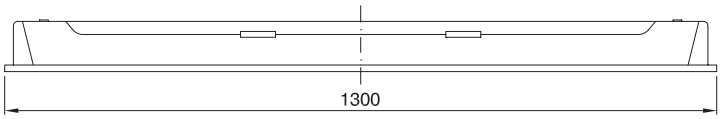


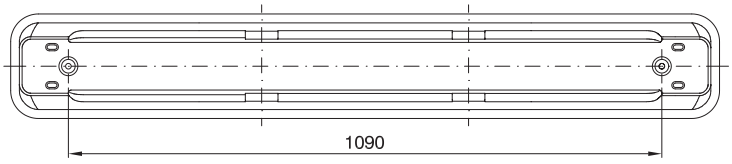
18 W



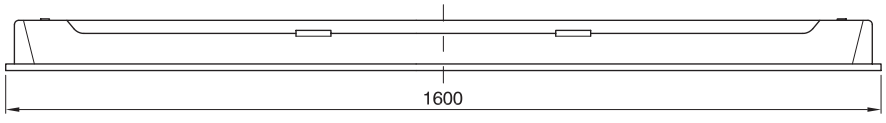


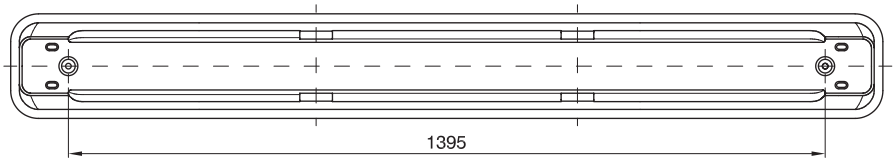
36 W





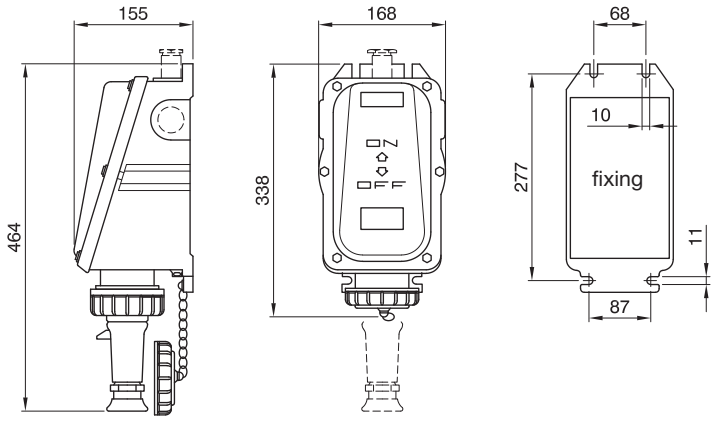
58 W



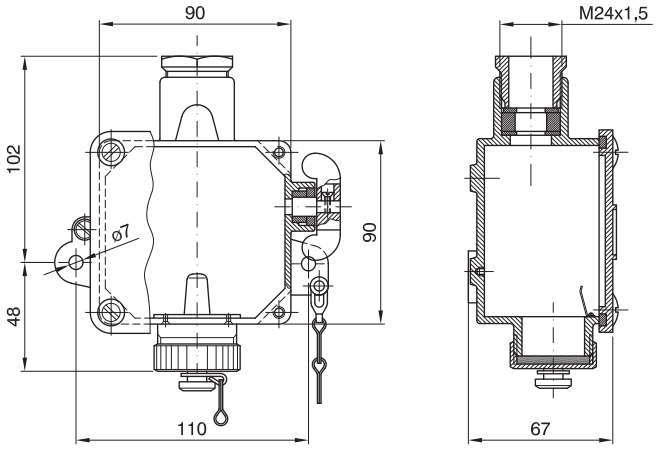


TUNNEL series - Foodlights for tunnel

INTERLOCKED SOCKET-OUTLETS

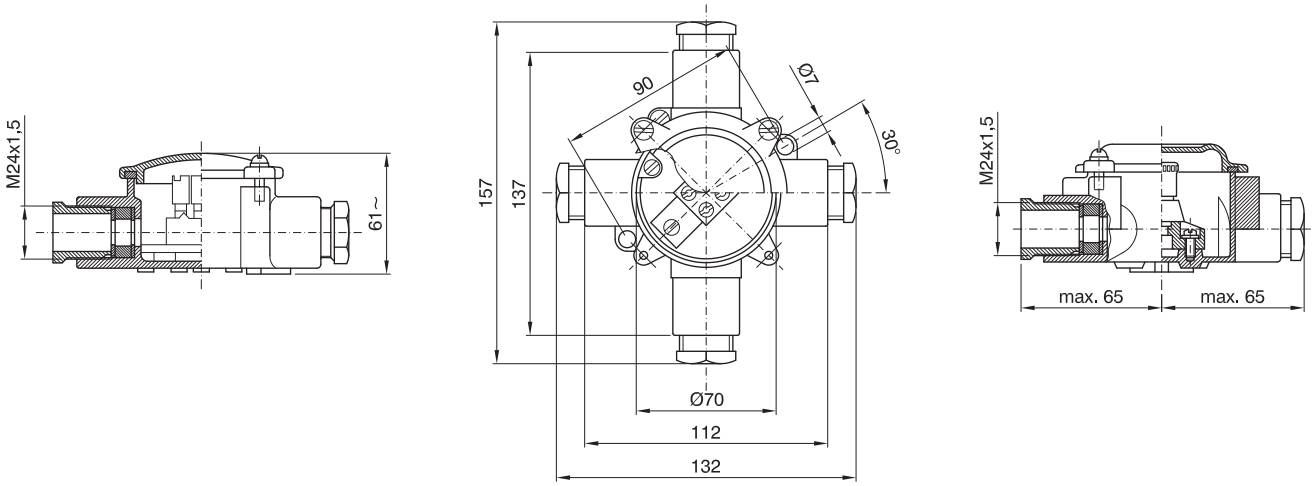


NAVE series - Wall-mounted socket-outlets for containers UNAV 2169

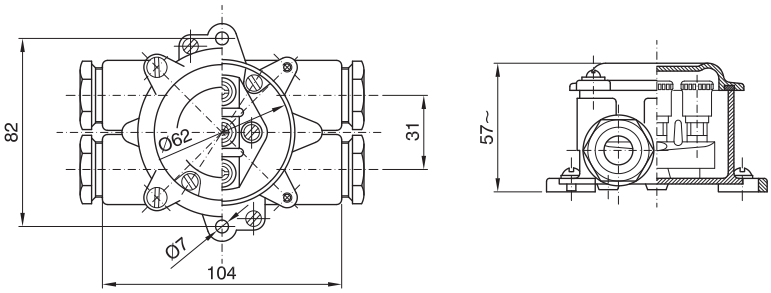


NAVE series - Socket-outlets UNAV 1436

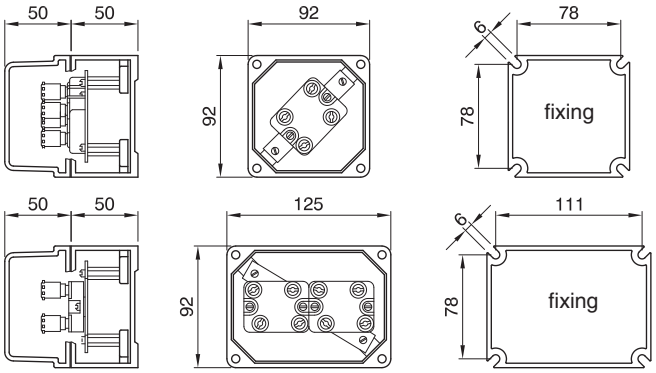
WATERTIGHT
JUNCTION BOXES



NAVE series - Junction boxes UNAV 1401, UNAV 1398

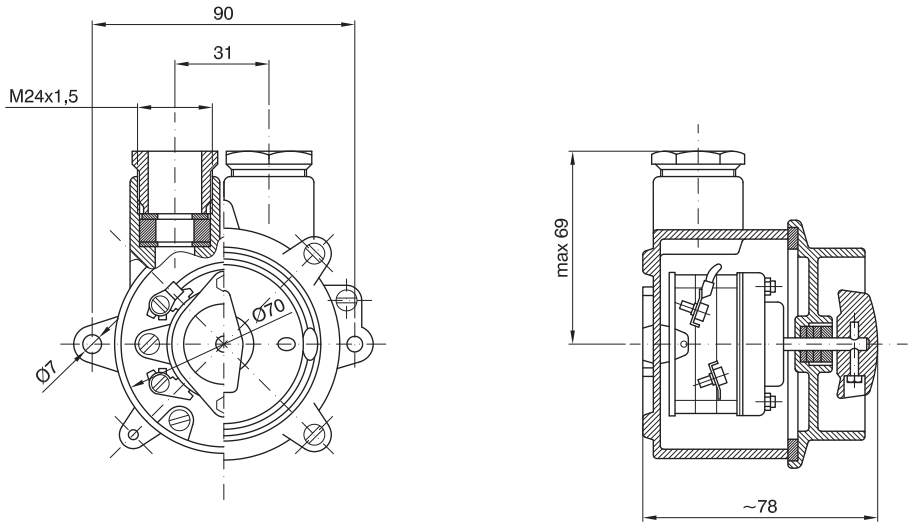


NAVE series - Junction boxes UNAV 1399, UNAV 2161

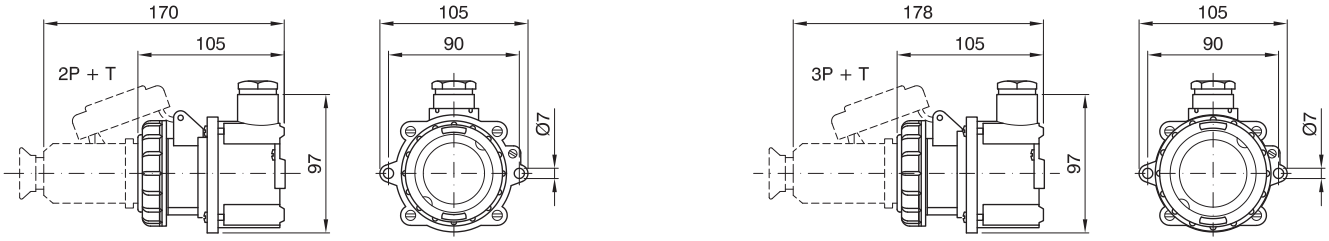


NAVE series - Junction boxes UNAV 2181

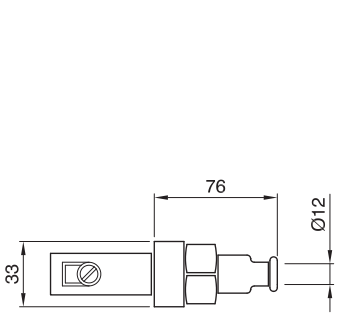
SMALL DEVICES
IN MODULAR ENCLOSURES



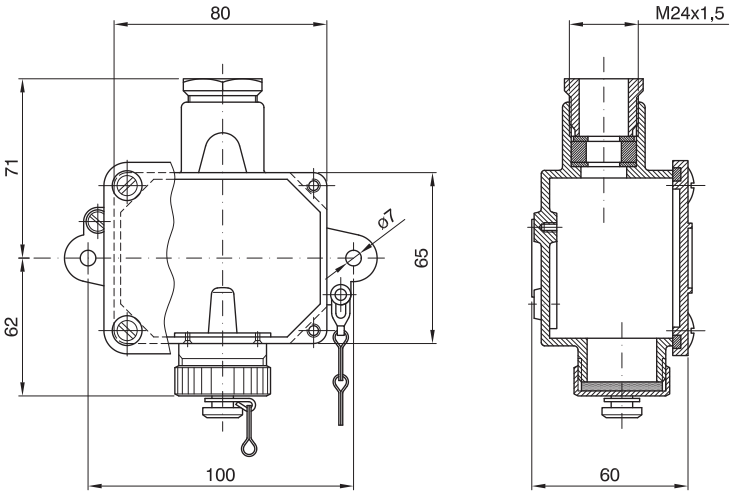
NAVE series - Watertight brass switches and two-way switches UNAV 2162



NAVE series - Wall mounted industrial socket-outlets UNAV 2166

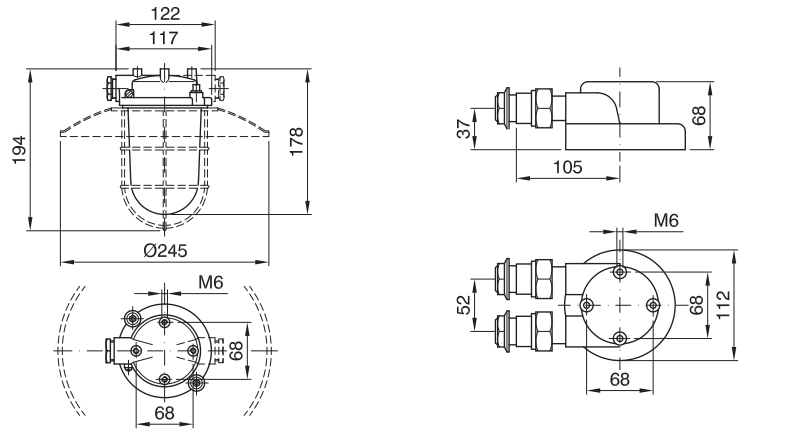


NAVE series - Plugs UNAV 1437

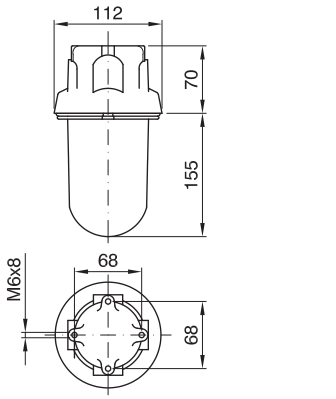


NAVE series - Socket-outlets UNAV 1435

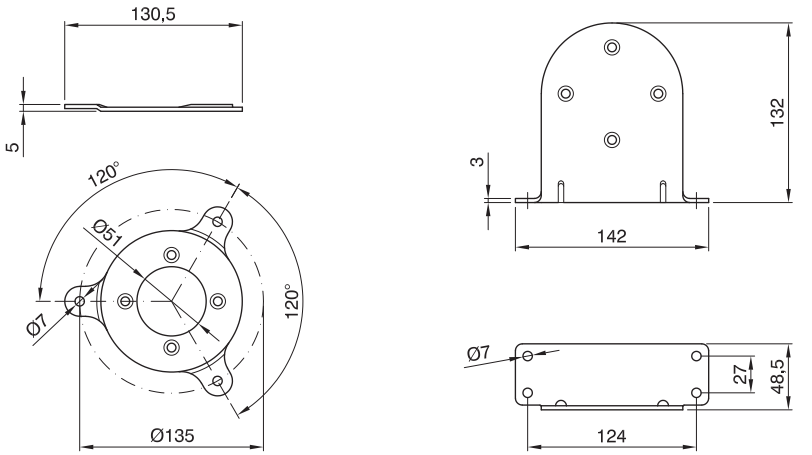
LIGHTING FIXTURES



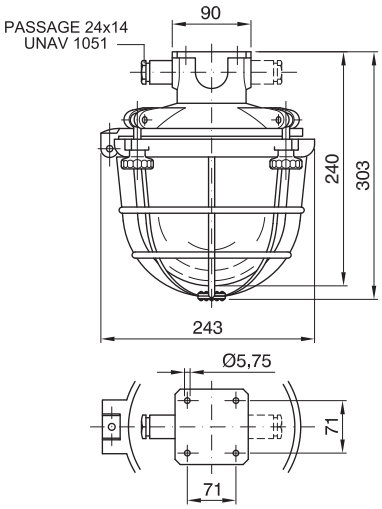
NAVE series - Fixture 60W - Housings for UNAV 2133 lighting fixtures



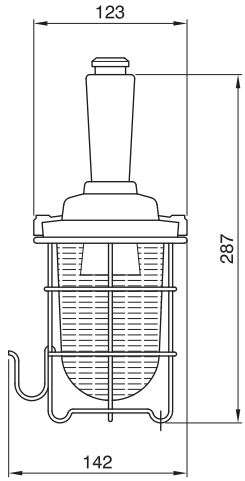
NAVE series - Cylindrical lighting fixtures UNAV 2132, UNAV 2133



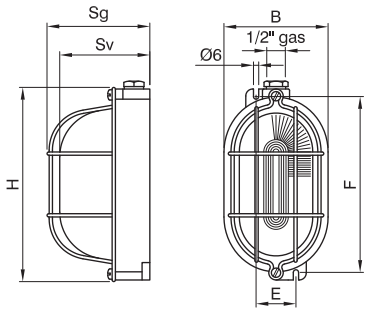
NAVE series – Lighting fixtures accessories UNAV 2132, UNAV 2133, UNAV 2134



NAVE series - Large lighting fixture UNAV 1208



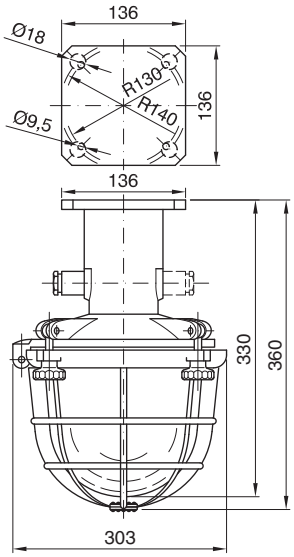
NAVE series – Portable lighting fixture UNAV 2137



Oval lighting fixtures	Without cage Sv
60W	100
100W	105
200W	127

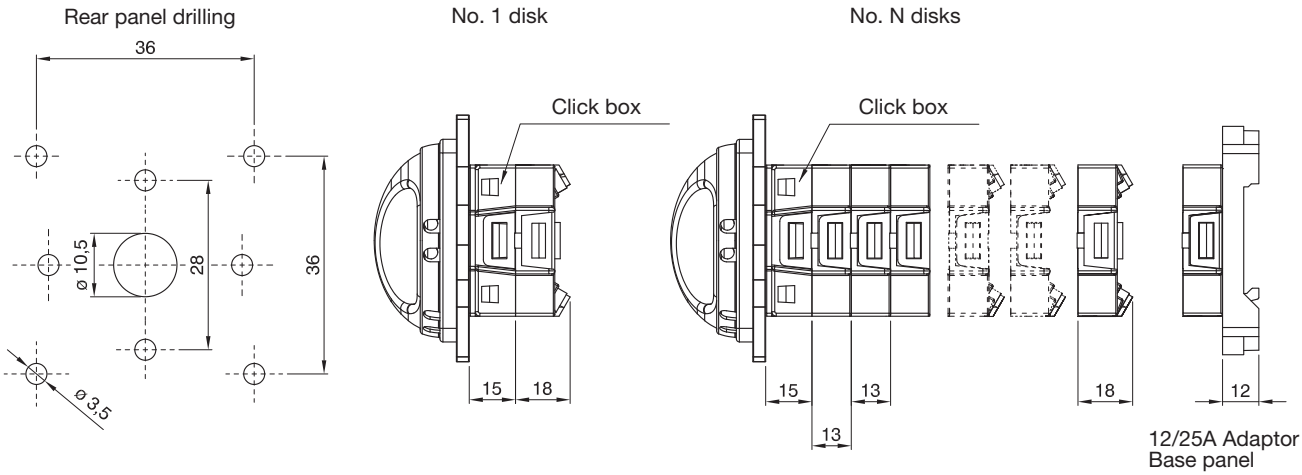
With wire cage Sg	Common sizes in mm. B	H	E	F
119	112	199	42	184
122	130	226	42	210
142	170	295	52	278

NAVE series - Oval lighting fixtures UNAV 2135



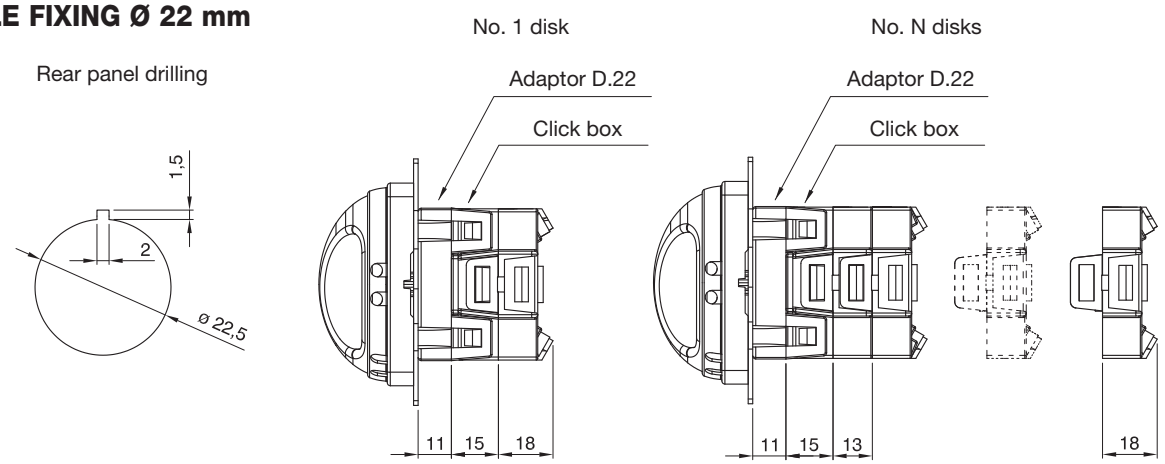
NAVE series - Large lighting fixture UNAV 2139

CAM-ST MULTI-LAYOUT
CAM SWITCHES

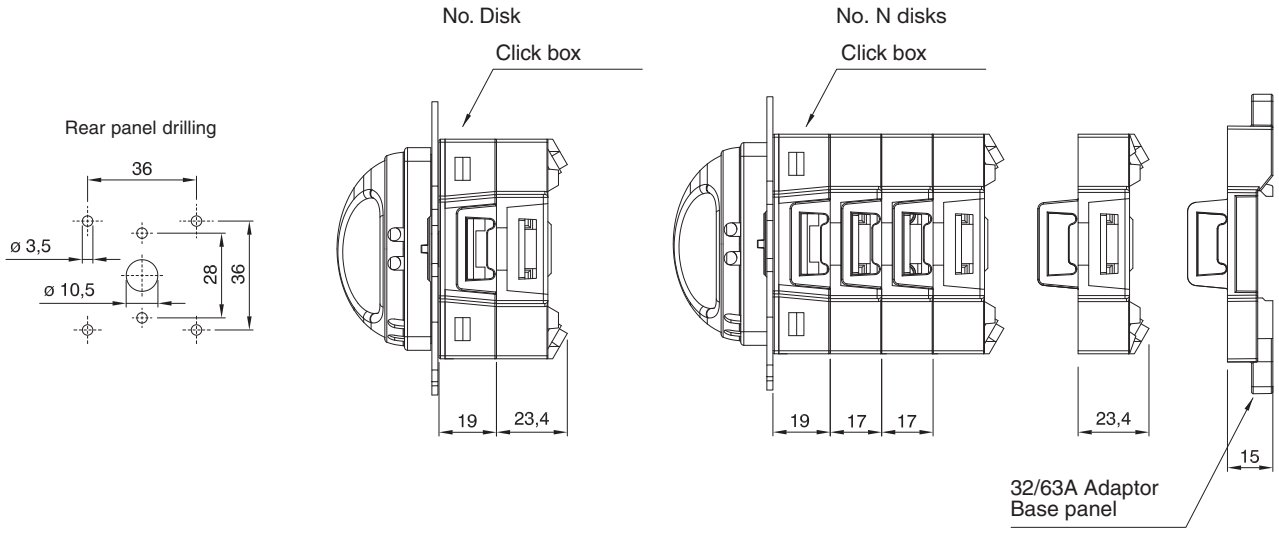


CAM-ST series - Rear panel rotary control devices 12/25A

REAR PANEL DEVICES
HOLE FIXING Ø 22 mm

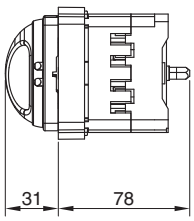


CAM-ST series - Fastening on hole rotary control devices 12/25A

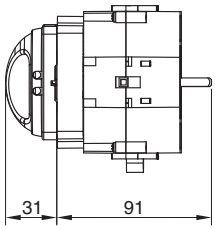


CAM-ST series - Rear and base panel rotary control devices 32/63A

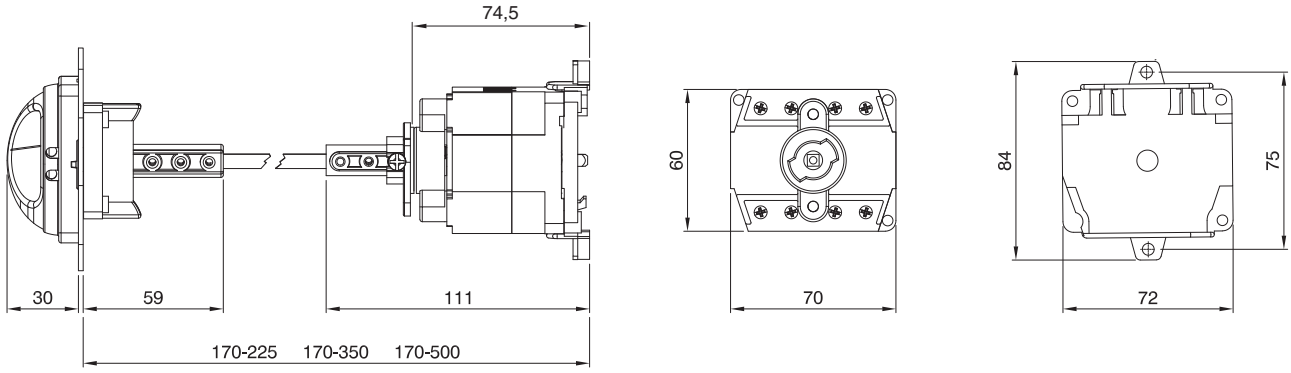
REAR AND BASE PANEL ISOLATORS



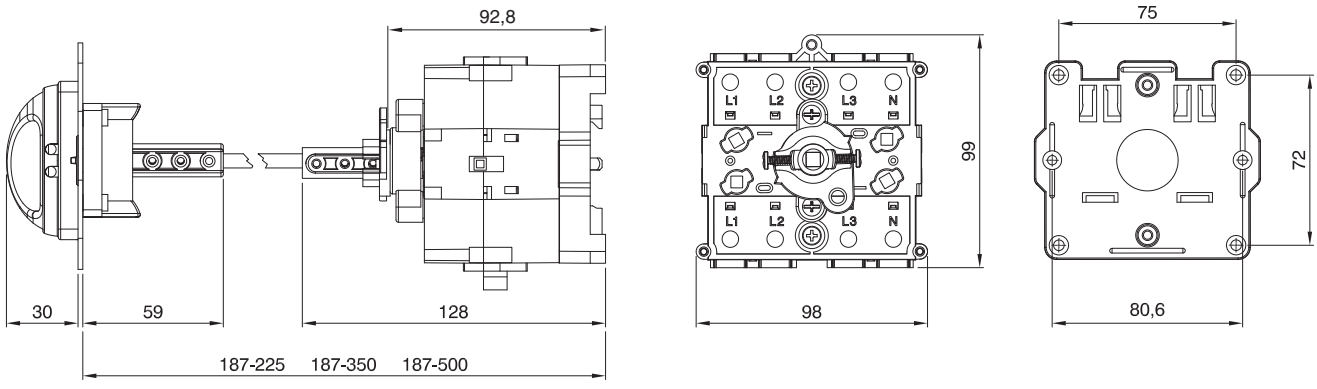
CAM-SZ series - Rear panel isolators 16÷32A



CAM-SZ series - Rear panel isolators 40A÷100A



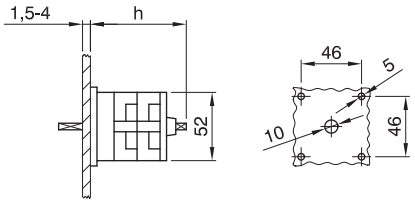
CAM-SZ series - Isolators 16A÷32A with base panel doorlock



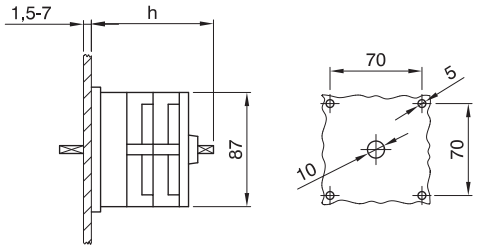
CAM-SZ series - Isolators 40A÷100A with base panel doorlock

To reduce the installation depth as much as possible, it is possible to terminate as far forward as the first CAM fixing hole, a distance of 125 mm.

REAR PANEL DEVICES
SCREW FIXING

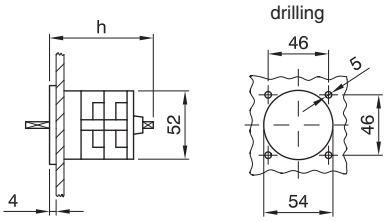


16A - 25A

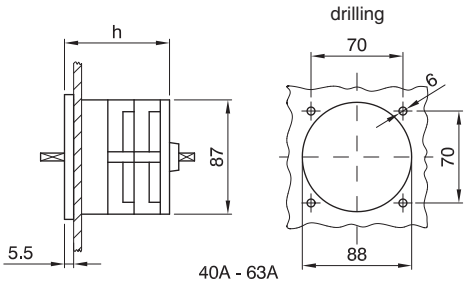


40A - 63A

CAM Series – Rotary devices for distribution boards



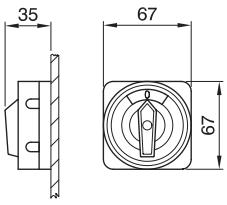
16A - 25A



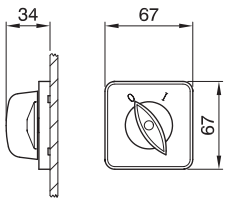
40A - 63A

CAM series - Rotary control panel mounted

Knob code
292105
292106
292125
292126

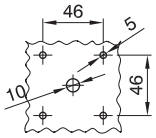


Knob code
292115
292116
292135
292136
292145
292146
292155
292156

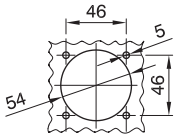


16A - 25A

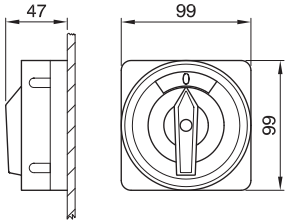
distribution board drilling



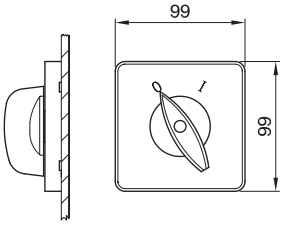
distribution board flush-mounting



Knob code
292305
292306
292325
292326

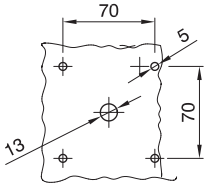


Knob code
292315
292316
292335
292336
292355
292356

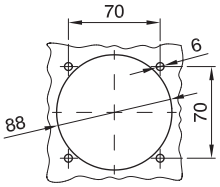


40A - 63A

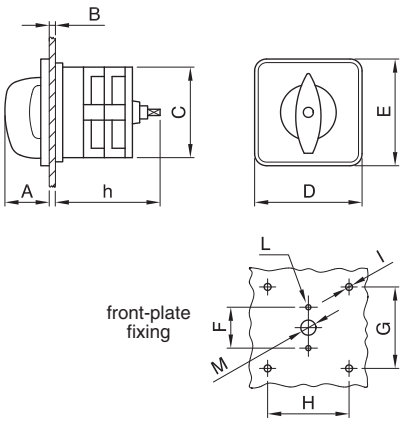
distribution board drilling

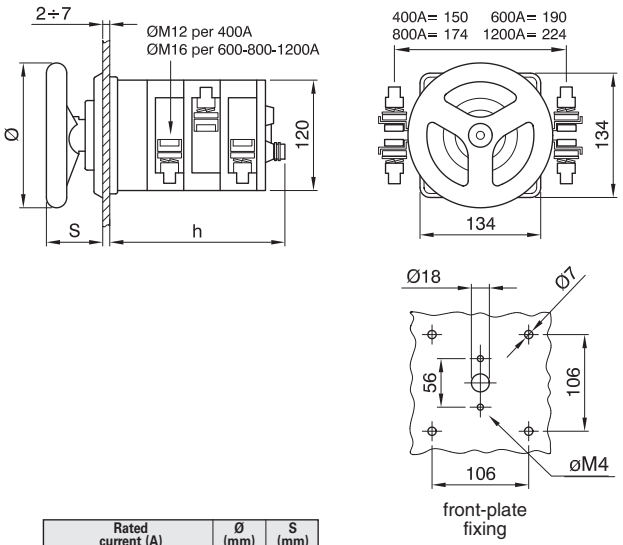


distribution board flush-mounting



CAM series - Distribution board and flush-mounting operations





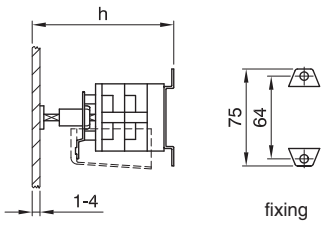
Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)
16-25	30	1,5-4	52	64	64	25	46	46	5	M3	10
40-63	37	1,5-7	87	94	94	32	70	70	6	M3	13
100-200	59	2-7	120	134	134	56	106	106	7	M4	18

Rated current (A)	Ø (mm)	S (mm)
400-600-800	156	61
1200	200	67

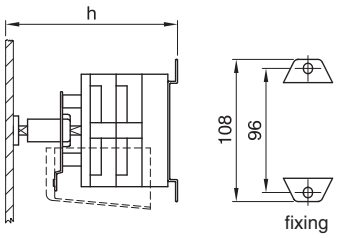
CAM series - Rotary control devices with distribution board knob

BASE PANEL DEVICES
WITH DOORLOCK

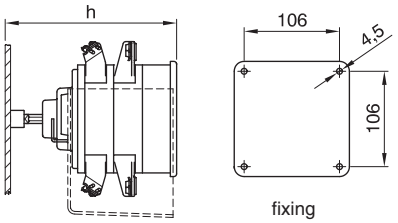
16A - 25A



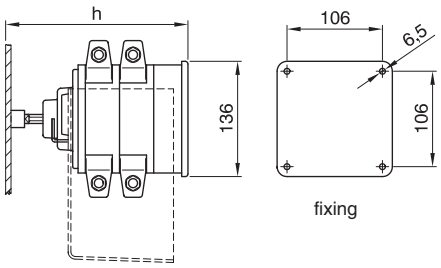
40A - 63A



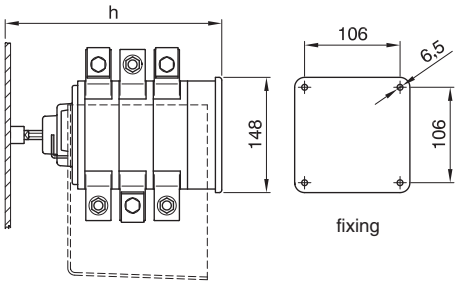
100A



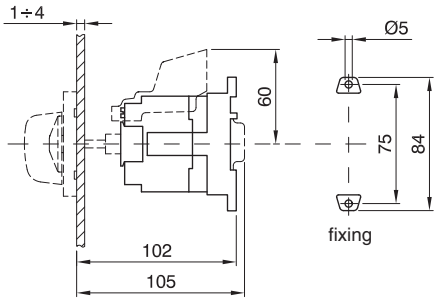
200A



400A

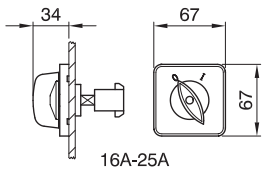


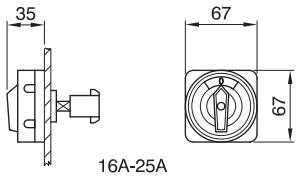
32A

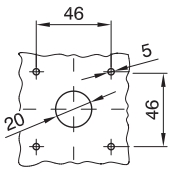


CAM Series - Rotary control base panel devices

Knob code
295117
295137

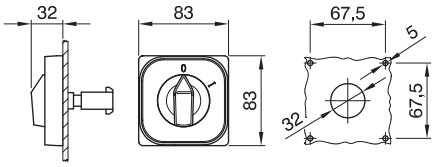


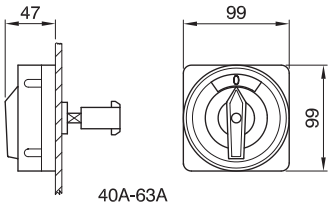


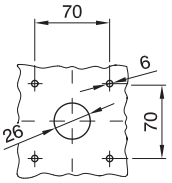


Knob code
295107
295127

Knob code	
16A	25A
295108	295128
295118	295138

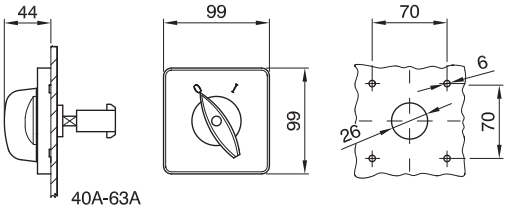


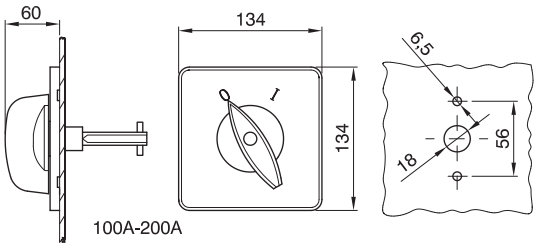




Knob code
295147
295167

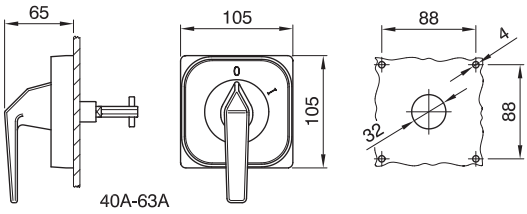
Knob code
295157
295177

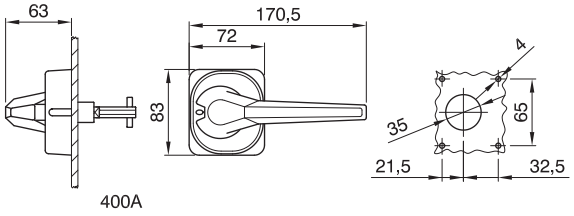




Knob code
270528
270538
270628
270638

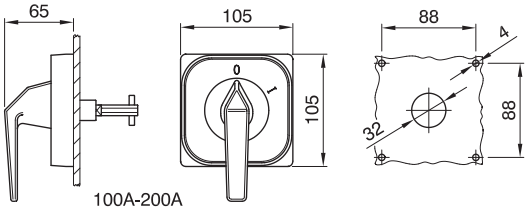
Knob code
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295318
295328
295338

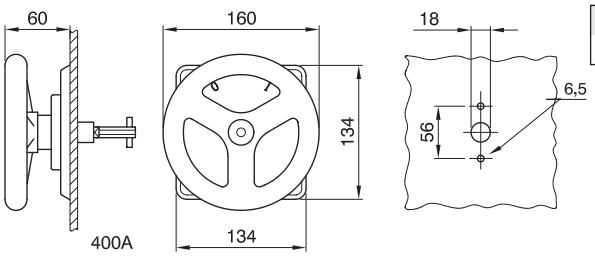




Knob code
292708
292728

Knob code
292508
292518
292528
292538





Knob code
270728

CAM series - Knobs with doorlock and front-plate

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
	1		
101021		12	124-184
101022		10	125-184
101025		12	125-184
101031		10	124 -184
101035		10	125 -184
101041		12	124-184
101045		12	125-184
101061		12	124-184
101081		12	125-184
101092		10	187
101095	8	10	130
101096	8	20	129
101121		8	125-184
101151		10	124-184
101156		10	184
101157		10	125-184
101161		1	124-184
101191		1	187
101221		10	187
112020		1	127-190
112030		10	127-190
112040		1	127-190
112094	8	30	130
113020		1	127-190
113030		10	127-190
113040		1	12-190
113094	8	20	130
113194	8	1	130
115125	8	1	239
115135	8	1	239
115145	8	1	239
115200	8	1	239
115201	8	1	239
115202	8	4	239
115628	8	1	239
115638	8	1	239
115648	8	1	239
115910	8	1	374
150001		1	134
150006		1	127
150011		1	134
150016		1	127
150021		1	134
150026		1	127
150031		1	134
150041		1	134
150051		1	134
150061		1	134
151011		1	221
151022		1	221
151034		1	221
151045		1	221
151241		1	221
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151285		1	221
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151933		1	218
151940		1	218
151941		1	218
151942		1	218
152132		1	219
152232		1	219
152962		1	219
153132		1	219
153232		1	219
153962		1	219
157001		1	220
157011		1	220
157012		1	220
157050		1	220
157051		1	220
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158001		1	220
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158012		1	220
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158111		1	220
158112		1	220
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159042	8	5	130
159043	8	1	130
159044	8	1	130
159045	8	1	130
159046	8	1	130
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201151	1-8	1	189
201152	1-8	1	189
201155	1-8	1	189
201156	1-8	1	189
201162	1-8	1	189
201166	1-8	1	189
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202296	1-8	1	185
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208634		1	154
209103		1	154
209104		1	154
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209324	8	1	154
209403	8	1	154
209404	8	1	154
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209633		1	154
209634		1	154
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210122	1-3-7-8	1	325
210123	1-3-7-8	1	325
210124	1-3-7-8	1	325
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210254	1-3-7-8	1	325
210255	1-3-7-8	1	325
210256	1-3-7-8	1	325
211121	1-3-7-8	1	325
211122	1-3-7-8	1	325
211123	1-3-7-8	1	325
211124	1-3-7-8	1	325
211125	1-3-7-8	1	325
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211163	1-3-7-8	1	325
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211256	1-3-7-8	1	325
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212322	1-3-7-8	1	325
212323	1-3-7-8	1	325
212324	1-3-7-8	1	325
212401	1-3-7-8	1	325
212402	1-3-7-8	1	325
212403	1-3-7-8	1	325
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214403	1-3-7-8	1	326
214404	1-3-7-8	1	326
214633	1-3-7	1	326
214634	1-3-7	1	326
215121	1-3-7-8	1	326

Mark Legend: 1 = IMQ 2 = VDE 3 = R.i.na. 4 = M.M.I. 5 = ENEC 6 = CCC 7 = cULus 8 = UKR 9 = Lloyd's Register

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
215122	1-3-7-8	1	326
215123	1-3-7-8	1	326
215124	1-3-7-8	1	326
215161	1-3-7-8	1	326
215162	1-3-7-8	1	326
215163	1-3-7-8	1	326
215164	1-3-7-8	1	326
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215202	1-3-7-8	1	326
215203	1-3-7-8	1	326
215204	1-3-7-8	1	326
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217632	1-3-7	1	326
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218253	1-3-7-8	1	328
219123	1-3-7-8	1	328
219163	1-3-7-8	1	328
219203	1-3-7-8	1	328
219253	1-3-7-8	1	328

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
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220403	1-3-7-8	1	328
220633	1-3-7-8	1	328
221123	1-3-7-8	1	327
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221203	1-3-7-8	1	327
221253	1-3-7-8	1	327
222123	1-3-7-8	1	327
222163	1-3-7-8	1	327
222203	1-3-7-8	1	327
222253	1-3-7-8	1	327
223403	1-3-7-8	1	327
223633	1-3-7-8	1	327
224122	1-3-7-8	1	328
224162	1-3-7-8	1	328
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227123	1-3-7-8	1	330
227163	1-3-7-8	1	330
227203	1-3-7-8	1	330
227253	1-3-7-8	1	330
228323	1-3-7-8	1	330
228403	1-3-7-8	1	330
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229120	1-3-7-8	1	330
229160	1-3-7-8	1	330
229250	1-3-7-8	1	330
230120	1-3-7-8	1	330
230160	1-3-7-8	1	330
230250	1-3-7-8	1	330
231120	1-3-7-8	1	331
231160	1-3-7-8	1	331
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233120	1-3-7-8	1	331
233160	1-3-7-8	1	331
233250	1-3-7-8	1	331
234120	1-3-7-8	1	331
234160	1-3-7-8	1	331

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
234250	1-3-7-8	1	331
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235160	1-3-7-8	1	331
235200	1-3-7-8	1	331
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238253	1-3-7-8	1	335
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239612	1-3-7	5	374
239613	1-3-7	5	374
240121	1-3-7-8	1	334
240122	1-3-7-8	1	335
240123	1-3-7-8	1	335
240161	1-3-7-8	1	334
240162	1-3-7-8	1	335
240163	1-3-7-8	1	335
240201	1-3-7-8	1	334

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
240202	1-3-7-8	1	335
240203	1-3-7-8	1	335
240251	1-3-7-8	1	334
240252	1-3-7-8	1	335
240253	1-3-7-8	1	335
241121	1-3-7-8	1	335
241122	1-3-7-8	1	335
241123	1-3-7-8	1	336
241161	1-3-7-8	1	335
241162	1-3-7-8	1	335
241163	1-3-7-8	1	336
241201	1-3-7-8	1	335
241202	1-3-7-8	1	335
241203	1-3-7-8	1	336
241251	1-3-7-8	1	335
241252	1-3-7-8	1	335
241253	1-3-7-8	1	336
242121	1-3-7-8	1	335
242122	1-3-7-8	1	335
242123	1-3-7-8	1	336
242161	1-3-7-8	1	335
242162	1-3-7-8	1	335
242163	1-3-7-8	1	336
242201	1-3-7-8	1	335
242202	1-3-7-8	1	335
242203	1-3-7-8	1	336
242251	1-3-7-8	1	335
242252	1-3-7-8	1	335
242253	1-3-7-8	1	336
243121	1-3-7-8	1	336
243122	1-3-7-8	1	336
243123	1-3-7-8	1	336
243161	1-3-7-8	1	336
243162	1-3-7-8	1	336
243163	1-3-7-8	1	336
243201	1-3-7-8	1	336
243202	1-3-7-8	1	336
243203	1-3-7-8	1	336
243251	1-3-7-8	1	336
243252	1-3-7-8	1	336
243253	1-3-7-8	1	336
244121	1-3-7-8	1	336
244122	1-3-7-8	1	336
244123	1-3-7-8	1	336
244161	1-3-7-8	1	336
244162	1-3-7-8	1	336
244163	1-3-7-8	1	336
244201	1-3-7-8	1	336
244202	1-3-7-8	1	336
244203	1-3-7-8	1	336
244251	1-3-7-8	1	336

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
244252	1-3-7-8	1	336
244253	1-3-7-8	1	336
249538	1-8	1	25
249550	1-7-8	1	25
259538	1-6-8	1	25
261021	1-8	1	190
261403	1-3-8	1	181
261413	1-3-8	1	181
261433	1-3-8	1	181
261435	1-3-8	10	181
261445	1-3-8	1	181
261493	1-8	1	185
261495	1-8	1	185
261496	1-8	1	185
265103		1	346
265104		1	346
265162	8	1	346
265163	8	1	346
265164	8	1	346
265253	8	1	346
265254	8	1	346
265322	8	1	346
265323	8	1	346
265324	8	1	346
265403	8	1	346
265404	8	1	346
265632	8	1	346
265633	8	1	346
265634	8	1	346
266103		1	346
266104		1	346
266162	8	1	346
266163	8	1	346
266164	8	1	346
266322	8	1	346
266323	8	1	346
266324	8	1	346
266632	8	1	346
266633	8	1	346
266634	8	1	346
267103		1	345
267104		1	345
267162	8	1	345
267163	8	1	345
267164	8	1	345
267253	8	1	345
267254	8	1	345
267322	8	1	345
267323	8	1	345
267324	8	1	345
267403	8	1	345

Marks and homologations of Palazzoli codes are in continuous development. On website www.palazzoli.com it is possible to view any updates.

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
267404	8	1	345
267632	8	1	345
267633	8	1	345
267634	8	1	345
268103		1	345
268104		1	345
268162	8	1	345
268163	8	1	345
268164	8	1	345
268253	8	1	345
268254	8	1	345
268322	8	1	345
268323	8	1	345
268324	8	1	345
268403	8	1	345
268404	8	1	345
268632	8	1	345
268633	8	1	345
268634	8	1	345
270225		1	347
270226		1	155-347
270227		1	155-347
270230		1	155-347
270231		1	155-347
270232		1	155-347
270235		1	155-347
270236		1	339
270237		1	339
270239		1	339
270240		1	339
270241		1	347
270242		1	347
270243		1	339
270247		1	339
270248		1	339
270350		1	347
270500		1	347
270512	8	1	362
270513	8	1	362
270517	8	1	363
270528		1	365
270538		1	365
270628		2	365
270638		1	365
270728		1	365
270810		20	358-363
270811		20	358-363
270820		20	358-363
270821		20	358-363
270900		10	347-363
270901		1	376

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
270902		1	370
270903		1	370
270911		1	376
270912		1	370
270913		1	370
270914		1	370
270916		1	370
270921		1	376
270922		1	370
270932		1	370
270934		1	370
270936		1	370
270941		1	376
270951		1	376
270961		1	376
270981		1	376
271225		1	339
271350		1	339
271500		1	339
272141	8	1	158
272142	8	1	158
272143	8	1	158
272144	8	1	158
272146	8	1	159
272147	8	1	159
272148	8	1	160
272152	8	1	160
272153	8	1	159
272155	8	1	160
272178	8	1	160
272241	8	1	158
272242	8	1	158
272243	8	1	158
272244	8	1	158
272246	8	1	159
272247	8	1	159
272252	8	1	160
272253	8	1	159
272255	8	1	160
272301	8	1	158
272302	8	1	158
272303	8	1	158
272304	8	1	158
272306	8	1	159
272307	8	1	159
272312	8	1	160
272313	8	1	159
272502	8	1	158
272503	8	1	158
272507	8	1	159
274031	8	1	161

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
274032	8	1	161
274033	8	1	161
274225		1	339
274302	8	1	161
274303	8	1	161
274304	8	1	161
274350		1	339
274500		1	339
274634	1-8	1	370
274637	1-8	1	370
274644	1-8	1	370
274647	1-8	1	370
274654	1-8	1	370
274657	1-8	1	370
274772	8	1	370
274808		1	371
274818		1	371
274828		1	371
274834	8	1	371
274837	8	1	371
274844	8	1	371
274847	8	1	371
274854	8	1	371
274857	8	1	371
274938	8	1	371
274948		1	371
275112	8	10	362
275113	8	10	362
275116	8	1	363
275117	8	1	363
275212	8	10	362
275213	8	10	362
275216	8	1	363
275217	8	1	363
275232	1-8	1	362
275312	8	5	362
275313	8	5	362
275316	8	1	363
275317	8	1	363
275332	1-8	1	362
275432	1-8	1	362
276118	8	1	355
276119	8	1	355
276122	8	1	355
276123	8	1	356
276132	8	1	354
276135	8	1	355
276136	8	1	354
276185	8	1	352
276186	8	1	352
276214	8	1	353

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
276216	8	1	354
276217	8	1	354
276224	8	1	356
276225	8	1	356
276226	8	1	356
276227	8	1	357
276228	8	1	357
276229	8	1	357
276230	8	1	357
276231	8	1	358
276234	8	1	354
276244	8	1	356
276245	8	1	356
276246	8	1	356
276247	8	1	357
276248	8	1	357
276249	8	1	357
276250	8	1	357
276254	8	1	356
276255	8	1	356
276256	8	1	356
276257	8	1	357
276258	8	1	357
276259	8	1	357
276260	8	1	357
276289	8	1	352
276389	8	1	352
276503	8	1	351
276507	8	1	352
276513	8	1	353
276600	8	1	351
276601	8	5	351
276602	8	5	351
276603	8	5	351
276604	8	1	351
276605	8	1	351
276606	8	5	351
276607	8	1	351
276608	8	1	358
276609	8	1	358
276610	8	1	358
276611	8	1	358
276612	8	5	352
276613	8	1	353
276615	8	1	353
276701	8	1	351
276702	8	5	351
276703	8	5	351
276705	8	1	351
276706	8	1	351
276707	8	1	351

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
276712	8	5	352
276713	8	1	353
276715	8	1	353
276801	8	1	351
276802	8	1	351
276803	8	1	351
276805	8	1	351
276806	8	1	351
276807	8	1	351
276812	8	1	352
276813	8	1	353
276815	8	1	353
276910		1	358
276911		1	358
276912		1	358
276913		1	358
276930		1	358
276931		1	358
276932		1	358
278920		1	358
278921		1	358
278940		1	358
278941		1	358
278942		1	358
280612		1	362
280613		1	362
280617		1	363
280712		1	362
280713		1	362
282402	8	1	158
282403	8	1	158
282404	8	1	158
282406	8	1	159
282407	8	1	159
282412	8	1	160
282413	8	1	159
282603		1	158
282607		1	159
282703		1	158
282707		1	159
283053		1	161
283063		1	161
283073		1	161
283082		1	161
284042	8	1	161
284043	8	1	161
285412	8	5	362
285413	8	5	362
285416	8	1	363
285417	8	1	363
286603		1	351

Mark Legend: 1 = IMQ 2 = VDE 3 = R.i.na. 4 = M.M.I. 5 = ENEC 6 = CCC 7 = cULus 8 = UKR 9 = Lloyd's Register

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
286607		1	352
286613		1	353
286703		1	351
286707		1	352
286732		1	351
286762		1	351
286782		1	351
286902	8	1	351
286903	8	5	351
286906	8	1	351
286907	8	1	351
286912	8	1	352
286913	8	1	353
290163	8	1	82
290164	8	1	82
290323	8	1	82
290324	8	1	82
290521	8	1	157
290522	8	1	157
290523	8	1	157
290641	8	1	157
290642	8	1	157
290643	8	1	157
290762	8	1	82-157
290763	8	1	82-157
291163	8	1	82
291164	8	1	82
291323	8	1	82
291324	8	1	82
291633	8	1	82
291634	8	1	82
292101	8	1	156
292102	8	1	156
292103	8	1	156
292105		10	359
292106		1	359
292115		10	359
292116		1	359
292125		10	359
292126		1	359
292135		10	359
292136		1	359
292145		1	359
292146		1	359
292155		1	359
292156		1	359
292201	8	1	156
292202	8	1	156
292203	8	1	156
292301	8	1	156
292302	8	1	156

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
292303	8	1	156
292305		1	359
292306		1	359
292315		1	359
292316		1	359
292325		1	359
292326		1	359
292335		1	359
292336		1	359
292355		1	359
292356		1	359
292411	8	1	156
292412	8	1	156
292413	8	1	156
292503		1	156
292508		1	365
292518		1	365
292528		2	365
292538		1	365
292603		1	156
292623		1	156
292703		1	156
292708		1	365
292728		1	365
292733		1	156
293053		1	157
293063		1	157
293263		1	157
295107		10	364
295108		10	364
295117		1	364
295118		1	364
295127		1	364
295128		10	365
295137		1	364
295138		1	365
295147		5	364
295157		5	364
295167		1	364
295177		1	364
295308		5	364
295318		1	364
295328		5	365
295338		1	365
		3	
302044		1	183
302054		1	183
302090		10	373
302091	8	10	167
302092	8	10	167
302093	8	10	167

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
302095	8	10	167
302097	8	10	167
302144	8	1	183
302154	8	1	183
302190		10	373
302192	8	10	167
302193	8	30	167
302195	8	30	167
302197	8	30	167
333032		1	166
333051		1	166
333055		1	166
333063		1	165
333071		1	165
333072		1	165
333075		1	165
333141		1	166
333142		1	166
333163		1	166
337010		1	165
337033		3	165
337050		1	165
337062		1	165
337063		1	165
339039		3	167
339041		3	167
339147		3	167
339150		3	167
339259		3	167
339367		1	167
339988		1	167
339998		10	167
341065		1	166
341075		1	166
346338	1	1	27
346350	1	1	27
347001		10	372
347002		1	372
347003		50	372
347005		50	372
347071		1	165
347081		5	165
347082		5	165
347083		5	165
347085		2	165
347981		1	165
348117	8	25	167
348122	8	25	167
348123	8	25	167
348326	8	25	167
348333		5	167

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
349117	8	25	167
349122	8	25	167
349217	8	25	167
349123	8	25	167
349326	8	25	167
349333		5	167
349538	1	1	27
349550	1	1	27
356338	1	1	27
359538	1	1	27
360163	1-3-7-8	1	326
360253	1-3-7-8	1	326
361163	1-3-7-8	1	326
362121	1-3-7-8	1	333
362161	1-3-7-8	1	333
362201	1-3-7-8	1	333
362251	1-3-7-8	1	333
362253	1-3-7-8	1	326
363121	1-3-7-8	1	333
363161	1-3-7-8	1	333
363201	1-3-7-8	1	333
363251	1-3-7-8	1	333
364121	1-3-7-8	1	333
364122	1-3-7-8	1	333
364123	1-3-7-8	1	334
364161	1-3-7-8	1	333
364162	1-3-7-8	1	333
364163	1-3-7-8	1	334
364201	1-3-7-8	1	333
364202	1-3-7-8	1	333
364203	1-3-7-8	1	334
364251	1-3-7-8	1	333
364252	1-3-7-8	1	333
364253	1-3-7-8	1	334
365121	1-3-7-8	1	333
365122	1-3-7-8	1	333
365123	1-3-7-8	1	334
365161	1-3-7-8	1	333
365162	1-3-7-8	1	333
365163	1-3-7-8	1	334
365201	1-3-7-8	1	333
365202	1-3-7-8	1	333
365203	1-3-7-8	1	334
365251	1-3-7-8	1	333
365252	1-3-7-8	1	333
365253	1-3-7-8	1	334
366121	1-3-7-8	1	334
366161	1-3-7-8	1	334
366201	1-3-7-8	1	334
366251	1-3-7-8	1	334
367121	1-3-7-8	1	334

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
367161	1-3-7-8	1	334
367201	1-3-7-8	1	334
367251	1-3-7-8	1	334
368121	1-3-7-8	1	334
368161	1-3-7-8	1	334
368201	1-3-7-8	1	334
368251	1-3-7-8	1	334
369121	1-3-7-8	1	334
369161	1-3-7-8	1	334
369201	1-3-7-8	1	334
369251	1-3-7-8	1	334
370121	1-3-7-8	1	337
370122	1-3-7-8	1	337
370123	1-3-7-8	1	337
370161	1-3-7-8	1	337
370162	1-3-7-8	1	337
370163	1-3-7-8	1	337
370201	1-3-7-8	1	337
370202	1-3-7-8	1	337
370203	1-3-7-8	1	337
370251	1-3-7-8	1	337
370252	1-3-7-8	1	337
370253	1-3-7-8	1	337
371121	1-3-7-8	1	337
371122	1-3-7-8	1	337
371123	1-3-7-8	1	337
371161	1-3-7-8	1	337
371162	1-3-7-8	1	337
371163	1-3-7-8	1	337
371201	1-3-7-8	1	337
371202	1-3-7-8	1	337
371203	1-3-7-8	1	337
371251	1-3-7-8	1	337
371252	1-3-7-8	1	337
371253	1-3-7-8	1	337
372121	1-3-7-8	1	337
372122	1-3-7-8	1	338
372161	1-3-7-8	1	337
372162	1-3-7-8	1	338
372201	1-3-7-8	1	337
372202	1-3-7-8	1	338
372251	1-3-7-8	1	337
372252	1-3-7-8	1	338
373121	1-3-7-8	1	337
373122	1-3-7-8	1	338
373161	1-3-7-8	1	337
373162	1-3-7-8	1	338
373201	1-3-7-8	1	337
373202	1-3-7-8	1	338
373251	1-3-7-8	1	337
373252	1-3-7-8	1	338

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Palazzoli code	Marks	Pack Q.ty	Catalogue Page
374121	1-3-7-8	1	338
374161	1-3-7-8	1	338
374201	1-3-7-8	1	338
374251	1-3-7-8	1	338
375121	1-3-7-8	1	338
375161	1-3-7-8	1	338
375201	1-3-7-8	1	338
375251	1-3-7-8	1	338
376161	1-3-7	1	333
376251	1-3-7	1	333
377123	1-3-7	1	328
377163	1-3-7	1	328
377203	1-3-7	1	328
377253	1-3-7	1	328
378123	1-3-7	1	328
378163	1-3-7	1	328
378203	1-3-7	1	328
378253	1-3-7	1	328
379123	1-3-7	1	329
379163	1-3-7	1	329
379203	1-3-7	1	329
379253	1-3-7	1	329
380123	1-3-7	1	329
380163	1-3-7	1	329
380203	1-3-7	1	329
380253	1-3-7	1	329
381123	1-3-7-8	1	328
381163	1-3-7-8	1	328
381203	1-3-7-8	1	328
381253	1-3-7-8	1	328
382123	1-3-7-8	1	328
382163	1-3-7-8	1	328
382203	1-3-7-8	1	328
382253	1-3-7-8	1	328
383123	1-3-7-8	1	329
383163	1-3-7-8	1	329
383203	1-3-7-8	1	329
383253	1-3-7-8	1	329
384123	1-3-7-8	1	329
384163	1-3-7-8	1	329
384203	1-3-7-8	1	329
384253	1-3-7-8	1	329
385122	1-3-7-8	1	329
385162	1-3-7-8	1	329
385202	1-3-7-8	1	329
385252	1-3-7-8	1	329
386122	1-3-7-8	1	329
386162	1-3-7-8	1	329
386202	1-3-7-8	1	329
386252	1-3-7-8	1	329
387122	1-3-7-8	1	329

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
387162	1-3-7-8	1	329
387202	1-3-7-8	1	329
387252	1-3-7-8	1	329
388122	1-3-7-8	1	329
388162	1-3-7-8	1	329
388202	1-3-7-8	1	329
388252	1-3-7-8	1	329
390120	1-3-7-8	1	332
390160	1-3-7-8	1	332
390200	1-3-7-8	1	332
390250	1-3-7-8	1	332
391120	1-3-7-8	1	332
391160	1-3-7-8	1	332
391200	1-3-7-8	1	332
391250	1-3-7-8	1	332
392120	1-3-7-8	1	332
392160	1-3-7-8	1	332
392200	1-3-7-8	1	332
392250	1-3-7-8	1	332
		4	
400120	8	1	69
400122	8	1	69
400123	8	1	69
400124	8	1	69
400126	8	4	69
400129	8	1	69
400130	8	1	69
400131	8	1	69
400132	8	1	69
400134	8	1	69
400136	8	4	69
400137	8	1	69
400139	8	1	69
400140	8	1	69
400141	8	1	69
400142	8	1	69
400144	8	1	69
400146	8	4	69
400147	8	1	69
400149	8	1	69
400220	8	1	69
400222	8	1	69
400223	8	1	69
400224	8	1	69
400226	8	4	69
400229	8	1	69
400230	8	1	69
400231	8	1	69
400232	8	1	69
400233	8	1	69
400234	8	1	69

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
400236	8	4	69
400237	8	1	69
400239	8	1	69
400240	8	1	69
400241	8	1	69
400242	8	1	69
400243	8	1	69
400244	8	1	69
400246	8	4	69
400247	8	1	69
400249	8	1	69
400323	8	1	69
400324	8	1	69
400326	8	1	69
400329	8	1	69
400331	8	1	69
400334	8	1	69
400336	8	1	69
400337	8	1	69
400339	8	1	69
400341	8	1	69
400344	8	1	69
400346	8	1	69
400349	8	1	69
401030	8	1	190
401031	8	1	190
401122	8	1	69
401132	8	1	69
401222	8	1	69
401232	8	1	69
401322	8	1	69
401332	8	1	69
403124	8	1	70
403126	8	1	70
403129	8	1	70
403131	8	1	70
403134	8	1	70
403136	8	1	70
403139	8	1	70
403141	8	1	70
403144	8	1	70
403146	8	1	70
403149	8	1	70
403224	8	1	70
403226	8	1	70
403229	8	1	70
403231	8	1	70
403233	8	1	70
403234	8	1	70
403236	8	1	70
403239	8	1	70

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
403241	8	1	70
403244	8	1	70
403246	8	1	70
403249	8	1	70
403324	8	1	70
403326	8	1	70
403329	8	1	70
403331	8	1	70
403334	8	1	70
403336	8	1	70
403339	8	1	70
403341	8	1	70
403344	8	1	70
403346	8	1	70
403349	8	1	70
406126	8	1	70
406136	8	1	70
406146	8	1	70
406226	8	1	70
406233	8	1	70
406236	8	1	70
406246	8	1	70
406326	8	1	70
406336	8	1	70
406346	8	1	70
407030	8	1	191
407031	8	1	191
408126	8	1	71
408136	8	1	71
408146	8	1	71
408226	8	1	71
408233	6-8	1	71
408236	8	1	71
408246	8	1	71
408326	8	1	71
408336	8	1	71
408346	8	1	71
409873	8	1	71
415000		100	73
415002		2	71
415011		1	73-271
415012		1	73-271
415101		2	71
415102		2	71
415801		1	73-271
415802		1	73-271
415901		1	73
415902		1	73
415903		1	73
415904		1	73
420126		4	72

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
420136		4	72
420146		4	72
420226		4	72
420236		4	72
420246		4	72
421029		1	30
421909		1	367
422039		1	93
422079		1	93
425001		4	72
425002		2	72
425101		2	72
425102		2	72
427019		1	25
427909		1	367
429873		1	72
431237	1-3-4-8	10	181
431252	1-8	10	186
431611	1-8	1	28
431622	1-2-7-8	10	28
431638	1-8	1	28
433211	1-8	1	28
433222	1-7-8	1	28
433238	1-8	1	28
436311	1-8	1	28
436312	1-8	1	28
436322	1-8	1	28
436338	1-8	1	28
437012	1-8	10	191
437022	8	10	191
437152	1-8	10	191
441611	1-8	1	28
441622	1-8	1	28
441638	1-8	1	28
441650	1-8	1	28
443211	1-8	1	28
443222	1-8	1	28
443238	1-8	1	28
443250	1-8	1	28
445338	8	1	30
446311	1-8	1	28
446312	1-8	1	28
446322	1-8	1	28
446338	1-8	1	28
446344	1-8	1	28
446350	1-8	1	28
448538	8	1	30
449311	1-8	1	28
449312	1-8	1	28
449322	1-8	1	28
449344	1-8	1	28

Mark Legend: 1 = IMQ 2 = VDE 3 = R.i.na. 4 = M.M.I. 5 = ENEC 6 = CCC 7 = cULus 8 = UKR 9 = Lloyd's Register

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
449538	1-8	1	28
449550	1-8	1	28
451611	1-8	1	28
451622	1-8	1	28
451638	1-8	1	28
453211	1-8	1	28
453222	1-8	1	28
453238	1-8	1	28
455338	8	1	30
456311	1-8	1	28
456322	1-8	1	28
456338	1-8	1	28
456344	1-8	1	28
458538	8	1	30
459311	1-8	1	28
459322	1-8	1	28
459344	1-8	1	28
459538	1-6	1	28
460233	9	1	230
461121	8	1	243
461131	8	1	243
461151	8	1	243
461921		1	375
462131	8	1	233
462151	8	1	233
462931		1	374
467021	8	10	233-243
467031	8	10	233-243
467051	8	10	233-243
467124		1	79
467126		1	79
467136		1	79
467146		1	79
468224		1	78
468226		1	78
468229		1	78
468233		1	78
468234		1	78
468236		1	78
468239		1	78
469226		1	79
469233	9	1	79-230
469236		1	79
469873		1	80
469893		1	80
470126	8	1	79
470136	8	1	79
470146	8	1	79
470226	8	1	79
470233	8	1	79-230
470236	8	1	79

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
470246	8	1	79
470326	8	1	79
470336	8	1	79
470346	8	1	79
471002	1-8	1	36
471003	1-8	1	22-36
471004	1-8	1	182
471005	1-8	1	36
471007	1-8	1	36
471011	1-8	1	36
471012	1-8	1	36
471013	1-8	1	36
471015	1-8	1	36
471017	1-8	1	36
471018	1-8	1	36
471019	1-8	1	36
471022	1-8	1	35
471032	1-8	1	22-35
471035	1-8	1	35
471042	1-8	1	35
471045	1-8	1	35
471051	1-8	1	35
471054	1-8	1	187
471056	1-8	1	187
471058	1-8	1	35
471059	1-8	1	35
471062	1-8	1	35
471063	1-8	1	36
471064	1-8	1	187
471065	1-8	1	35
471066	1-8	1	187
471067	1-8	1	36
471072	1-8	1	35
471075	1-8	1	35
471094	1-8	1	182
471102	1-8	1	36
471103	1-8	1	22-36
471104	1-8	1	182
471105	1-8	1	36
471107	1-8	1	22-36
471108	1-8	1	35
471111	1-8	1	35
471112	1-8	1	36
471113	1-8	1	36
471114	1-8	1	182
471115	1-8	1	36
471117	1-8	1	36
471118	1-8	1	35
471122	1-8	1	35
471123	1-8	1	36
471132	1-8	1	22-35

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
471135	1-8	1	22-35
471142	1-8	1	35
471145	1-8	1	35
471151	1-8	1	36
471154	1-8	1	187
471156	1-8	1	187
471162	1-8	1	35
471164	1-8	1	187
471165	1-8	1	35
471166	1-8	1	187
471172	1-8	1	35
471175	1-8	1	35
471177	1-8	1	36
471204	1-3-8	10	182
471214	1-8	1	186
471222	1-8	1	30
471223	1-8	1	29
471224	1-8	1	186
471254	1-8	10	186
471262	1-8	1	30
471263	1-8	1	29
471266	1-8	1	30
471267	1-8	1	29
471272	1-8	1	30
471273	1-8	1	29
471276	1-8	1	30
471277	1-8	1	29
471284	1-3-8	1	182
471286	1-8	1	30
471287	1-8	1	29
471294	1-3-8	1	182
471304	1-3-8	10	182
471314	1-3-8	1	182
471324	1-3-8	1	182
471332	1-8	1	30
471333	1-8	1	29
471334	1-8	1	186
471354	1-8	1	186
471362	1-8	10	30
471363	1-8	10	29
471364	1-8	1	186
471366	1-8	1	30
471367	1-8	1	29
471372	1-8	1	30
471373	1-8	1	29
471376	1-8	1	30
471377	1-8	1	29
471386	1-8	1	30
471387	1-8	1	29
471404	1-3-8	1	182
471409		2	31

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
471414	1-3-8	1	182
471424	1-3-8	1	182
471429		2	31
471434	1-8	1	186
471436	1-8	1	30
471437	1-8	1	29-231
471446	1-8	1	30
471447	1-8	1	29
471454	1-8	1	186
471462	1-8	1	30
471463	1-8	1	29
471464	1-8	1	186
471466	1-8	1	30
471467	1-8	1	29
471469	8	1	31
471472	1-2-8	10	30
471473	1-2-8	1	29
471476	1-2-8	1	30
471477	1-2-8	1	29
471479	8	2	31
471482	1-2-8	5	30
471483	1-2-8	1	29
471486	1-2-8	1	30
471487	1-2-8	1	29
471552	1-8	1	30
471553	1-8	1	29
471555	1-8	1	30
471556	1-8	1	29
471562	1-8	1	30
471563	1-8	1	29
471566	1-8	1	30
471567	1-8	1	29
471572	1-8	1	30
471573	1-8	1	29
471576	1-8	1	30
471577	1-8	1	29
471582	1-8	1	30
471583	1-8	1	29
471586	1-8	1	30
471587	1-8	1	29
471592	1-8	1	30
471593	1-8	1	29
471596	1-8	1	30
471597	1-8	1	29
471602	1-8	1	36
471603	1-8	1	22-36
471605	1-8	1	36
471607	1-8	1	36
471632	1-8	1	22-35
471635	1-8	1	35
471662	1-8	1	35

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
471665	1-8	1	35
471672	1-8	1	30
471673	1-8	1	29
471712	1-8	1	30
471713	1-8	1	29
471716	1-8	1	30
471717	1-8	1	29
471722	1-8	1	30
471723	1-8	1	29
471736	1-8	1	30
471737	1-8	1	29
471762	1-8	1	30
471763	1-8	1	29
471766	1-8	1	30
471767	1-8	1	29
471772	1-8	1	30
471773	1-8	1	29
471776	1-8	1	30
471777	1-8	1	29
471782	1-8	1	30
471783	1-8	1	29
471786	1-8	1	30
471787	1-8	1	29
471792	1-8	1	30
471793	1-8	1	29
471796	1-8	1	30
471797	1-8	1	29
471802	1-8	1	30
471803	1-8	1	29
471805	1-8	1	30
471806	1-8	1	29
471812	1-8	1	95
471818	8	1	95
471819	8	1	80
471832	1-8	1	95
471838	8	1	95
471839	8	1	80
471852	1-8	1	30
471853	1-8	1	29
471856	1-8	1	30
471857	1-8	1	29
471862	1-8	1	30
471863	1-8	1	29
471866	1-8	1	30
471867	1-8	1	29
471873	1-8	1	80
471893	1-8	1	80
471908		1	371
471909		1	371
471922		1	371
471932		1	371

Marks and homologations of Palazzoli codes are in continuous development. On website www.palazzoli.com it is possible to view any updates.

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
472020	1-8	1	80
472021	1-8	1	80
472022	1	1	80
472027	1	1	95
472116	1-8	1	92
472126	1-8	1	92
472130	1-8	1	80
472131	1-8	1	80
472132	1	1	80
472133	1-8	1	80-230
472137	1	1	95
472233	1-8	1	92
472236	1-8	1	92
472237	1	1	93
472240	1-8	1	80
472241	1-8	1	80
472242	1	1	80
472243	1-8	1	92
472246	1-8	1	92
472247	1	1	93
472248	1	1	93
472253	1-8	1	92
472256	1-8	1	92
472257	1	1	93
472258	1	1	93
472263	1-8	1	92
472266	1-8	1	92
472273	1-8	1	92
472276	1-8	1	92
472283	1-8	1	92
472286	1-8	1	92
472293	1-8	1	92
472296	1-8	1	92
472323	1-8	1	92
472326	1-8	1	92
472327	1	1	93
472333	1-8	1	92
472336	1-8	1	92
472337	1	1	93
472343	1-8	1	92
472346	1-8	1	92
472347	1	1	93
472348		1	93
472353	1-8	1	92
472356	1-8	1	92
472357	1	1	93
472358		1	93
472363	1-8	1	92
472367	1	1	93
472373	1-8	1	92
472377	1	1	93

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
472383	1-8	1	92
472386	1-8	1	92
472387	1	1	93
472388	1	1	93
472397	1	1	93
472398	1	1	93
472401	8	1	233
472411	8	1	233
472418		1	93
472428		1	93
472433	1-8	1	92
472436	1-8	1	92
472437	1	1	93
472443	1-8	1	92
472446	1-8	1	92
472447	1	1	93
472453	1-8	1	92
472456	1-8	1	92
472457	1	1	93
472463	1-8	1	92
472466	1-8	1	92
472467		1	94
472468		1	94
472473	1-8	1	92
472477		1	94
472478		1	94
472486	1-8	1	92-230
472487		1	94
472488		1	94
472496	1-8	1	92
472497		1	94
472498		1	94
472518		1	93
472533	1-8	1	92
472536	1-8	1	92
472543	1-8	1	92
472546	1-8	1	92
472547	1	1	93
472553	1-8	1	92
472556	1-8	1	92
472567		1	94
472568		1	94
472577		1	94
472578		1	94
472586	1-8	1	92
472587		1	94
472588		1	94
472597		1	94
472598		1	94
472607		1	94
472608		1	94

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
472610	1-8	1	78
472611	1-8	1	78
472612	1	1	78
472620	1-8	1	78
472621	1-8	1	78
472622	1	1	78
472623	1-8	1	95
472624	1-8	1	95
472630	1-8	1	78
472631	1-8	1	78
472632	1	1	78
472640	1-8	1	78
472641	1-8	1	78
472642	1	1	78
472647	1	1	95
472650	1-8	1	78
472651	1-8	1	78
472660	1-8	1	78
472661	1-8	1	78
472670	1-8	1	78
472671	1-8	1	78
472672	1	1	78
472710	1-8	1	78
472711	1-8	1	78
472712	1	1	78
472720	1-8	1	78
472721	1-8	1	78
472722	1	1	78
472730	1-8	1	78
472731	1-8	1	78
472732	1	1	78
472733	1-8	1	95
472734	1-8	1	95
472735	1-8	1	95-230
472740	1-8	1	78
472741	1-8	1	78
472742	1	1	78
472750	1-8	1	78
472751	1-8	1	78
472752	1	1	78
472760	1-8	1	78
472761	1-8	1	78
472762	1	1	78
472767		1	81
472768		1	81
472771	1-8	1	78-230
472777		1	81
472778		1	81
472780	1-8	1	78
472781	1-8	1	78
472787		1	81

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
472788		1	81
472790	1-8	1	78
472791	1-8	1	78
472797		1	81
472798		1	81
472810	1-8	1	78
472811	1-8	1	78
472812	1	1	78
472820	1-8	1	78
472821	1-8	1	78
472822	1	1	78
472830	1-8	1	78
472831	1-8	1	78
472832	1	1	78
472840	1-8	1	78
472841	1-8	1	78
472843	1-8	1	95
472844	1-8	1	95
472850	1-8	1	78
472851	1-8	1	78
472852	1	1	78
472861	1-8	1	78
472870	1-8	1	78
472871	1-8	1	78
472880	1-8	1	78
472881	1-8	1	78
472901		10	233
472940		1	367
472941		1	367
472942		1	367
472947		1	31
472948		1	31
472950		1	367
472951		1	367
472952		1	367
472960		1	367
472961		1	367
472962		1	367
472963		1	367
472967		1	31
472968		1	31
472970		1	367
472971		1	367
472972		1	367
472977		1	31
472978		1	31
472980		1	367
472981		1	367
473002	1-8	1	34
473003	1-8	1	34
473005	1-8	1	34

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
473006	1-8	1	34
473012	1-8	1	34
473013	1-8	1	34
473015	1-8	1	34
473016	1-8	1	34
473062	1-8	1	34
473063	1-8	1	34
473065	1-8	1	34
473066	1-8	1	34
473102	1-8	1	34
473103	1-8	1	34
473105	1-8	1	34
473106	1-8	1	34
473107		1	34
473112	1-8	1	34
473113	1-8	1	34
473115	1-8	1	34
473116	1-8	1	34
473122	1-8	1	34
473123	1-8	1	34
473125	1-8	1	34
473126	1-8	1	34
473203	1-8	1	27
473206	1-8	1	27
473207	1	1	27
473216	1-8	1	27
473217	1	1	27
473218	1	1	27
473223	1-8	1	27
473226	1-8	1	27
473227	1	1	27
473228	1	1	27
473231	1		27
473303	1-2-8	10	27
473306	1-2-6-8	1	27
473307	1	1	27
473313	1-8	1	27
473316	1-8	1	27
473317	1	1	27
473318	1	1	27
473323	1-8	1	27
473326	1-8	1	27
473327	1	1	27
473328	1	1	27
473403	1-8	1	27
473406	1-8	1	27
473407	1	1	27
473413	1-2-8	10	27
473416	1-2-8	5	27
473423	1-2-8	1	27
473426	1-2-8	5	27

Mark Legend: 1 = IMQ 2 = VDE 3 = R.i.na. 4 = M.M.I. 5 = ENEC 6 = CCC 7 = cULus 8 = UKR 9 = Lloyd's Register

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
473463	1-8	1	27
473466	1-8	1	27
473467	1	1	27
473468	1	1	27
473486	1-8	1	27
473496	1-8	1	27
473503	1-8	1	27
473506	1-8	1	27
473513	1-8	1	27
473516	1-8	1	27
473523	1-8	1	27
473526	1-8	1	27
473533	1-8	1	27
473536	1-8	5	27
473537	1	1	27
473538	1	1	27
473602	1-8	1	34
473603	1-8	1	34
473605	1-8	1	34
473606	1-8	1	34
473673	1-8	1	27
473706	1-8	1	27
473713	1-8	1	27
473716	1-8	1	27
473723	1-8	1	27
473726	1-8	1	27
473736	1-8	1	27
473763	1-8	1	27
473773	1-8	1	27
473776	1-8	1	27
473783	1-8	1	27
473793	1-8	1	27
473796	1-8	1	27
473813	1-8	1	27
473816	1-8	1	27
473823	1-8	1	27
473826	1-8	1	27
473827	1	1	27
473833	1-8	1	27
473836	1-8	1	27
473837	1	1	27
473838	1	1	27
473901		1	34
473951		1	34
473952		1	34
473955		1	34
473961		1	36
473962		1	36
473965		1	36
473971		1	36
473972		1	36

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
473975		1	36
474133	1-8	1	94
474210	1-8	1	79
474220	1-8	1	79
474230	1-8	1	79
474236	1-8	1	94
474237	1	1	94
474246	1-8	1	94
474247	1	1	94
474256	1-8	1	94
474257	1	1	94
474310	1-8	1	79
474320	1-8	1	79
474330	1-8	1	79
474336	1-8	1	94
474337	1	1	94
474340	1-8	1	79
474346	1-8	1	94
474347	1	1	94
474356	1-8	1	94
474357	1	1	94
474387	1	1	94
474397	1	1	94
474410	1-8	1	79
474420	1-8	1	79
474430	1-8	1	79
474436	1-8	1	94
474437	1	1	94
474446	1-8	1	94
474447	1	1	94
474450	1-8	1	79
474456	1-8	1	94
474457	1	1	94
474466	1-8	1	94
474486	1-8-9	1	94-230
474536	1-8	1	94
474586	1-8	1	94
474611	1-8	1	79
474612	1	1	79
474621	1-8	1	79
474622	1	1	79
474631	1-8	1	79
474632	1	1	79
474633	1-8	1	94
474643	1-8	1	94
474653	1-8	1	94
474711	1-8	1	79
474712	1	1	79
474721	1-8	1	79
474722	1	1	79
474731	1-8	1	79

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
474732	1	1	79
474733	1-8	1	94
474741	1-8	1	79
474742	1	1	79
474743	1-8	1	94
474753	1-8	1	94
474771	1-8-9	1	79-230
474811	1-8	1	79
474812	1	1	79
474821	1-8	1	79
474822	1	1	79
474831	1-8	1	79
474832	1	1	79
474833	1-8	1	94
474843	1-8	1	94
474851	1-8	1	79
474852	1	1	79
474853	1-8	1	94
474863	1-8	1	94
474903	8	1	371
474904	8	1	371
474905	8	1	371
474906		1	371
474907		1	371
474908		1	371
474930	8	1	371
474931	8	1	371
474932	8	1	371
474951		1	371
474953		1	371
474955		1	371
475202	1-8	1	17
475203	1-8	1	17
475212	1-8	1	17
475213	1-8	1	17
475222	1-8	1	17
475223	1-8	1	17
475302	1-8	1	17
475303	1-8	1	17
475312	1-8	1	17
475313	1-8	1	17
475322	1-8	1	17
475323	1-8	1	17
475402	1-8	1	17
475403	1-8	1	17
475412	1-8	1	17
475413	1-8	1	17
475422	1-8	1	17
475423	1-8	1	17
476002	1-8	1	33
476005	1-8	1	33

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
476012	1-8	1	33
476015	1-8	1	33
476042	1-8	1	33
476045	1-8	1	33
476102	1-8	1	33
476105	1-8	1	33
476112	1-8	1	33
476115	1-8	1	33
476142	1-8	1	33
476145	1-8	1	33
476202	1-8	1	18
476203	1-8	1	18
476205	1-8	1	18
476206	1-8	1	18
476207	1	1	26
476212	1-8	1	18
476213	1-8	1	18
476215	1-8	1	18
476216	1-8	1	18
476217	1	1	26
476218	1	1	26
476222	1-8	1	18
476223	1-8	1	18
476225	1-8	1	18
476226	1-8	1	18
476227	1	1	26
476228	1	1	26
476302	1-8	1	18
476303	1-8	10	18
476305	1-8	1	18
476306	1-6-8	1	18
476307	1	1	26
476312	1-8	1	18
476313	1-8	1	18
476315	1-8	1	18
476316	1-8	1	18
476317	1	1	26
476318	1	1	26
476322	1-8	1	18
476323	1-8	1	18
476325	1-8	1	18
476326	1-8	1	18
476327	1	1	26
476328	1	1	26
476402	1-8	1	18
476403	1-8	1	18
476405	1-8	1	18
476406	1-8	1	18
476407	1	1	26
476412	1-8	1	18
476413	1-8	1	18

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
476415	1-8	1	18
476416	1-8	1	18
476422	1-8	1	18
476423	1-8	1	18
476425	1-8	1	18
476426	1-8	1	18
476457	1	1	26
476458	1	1	26
476486	1	1	18-231
476517	1	1	26
476537	1	1	26
476538	1	1	26
476602	1-8	1	33
476605	1-8	1	33
476827	1	1	26
476837	1	1	26
476838	1	1	26
476903	8	1	18
476905	8	10	18
476907	8	10	26
476909	8	10	26
476913	8	1	18
476923	8	10	18
476925	8	10	18
477002	1-8	10	32
477003	1-8	1	32
477005	1-8	1	32
477006	1-8	1	32
477012	1-8	1	32
477013	1-8	1	32
477015	1-8	1	32
477016	1-8	1	32
477062	1-8	1	32
477063	1-8	1	32
477065	1-8	1	32
477066	1-8	1	32
477102	1-8	1	32
477103	1-8	1	32
477105	1-8	1	32
477106	1-8	1	32
477107		1	33
477112	1-8	1	32
477113	1-8	1	32
477115	1-8	1	32
477116	1-8	1	32
477122	1-8	1	32
477123	1-8	1	32
477175	1-8	1	32
477176	1-8	1	32
477202	1-8	1	24
477203	1-8	1	25

Marks and homologations of Palazzoli codes are in continuous development. On website www.palazzoli.com it is possible to view any updates.

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
477205	1-8	1	24
477206	1-8	1	25
477207	1	1	25
477212	1-8	1	24
477213	1-8	1	25
477215	1-8	1	24
477216	1-8	1	25
477217	1	1	25
477218	1	1	25
477222	1-8	1	24
477223	1-8	1	25
477225	1-8	1	24
477226	1-8	1	25
477227	1	1	25
477228	1	1	25
477273	1-8	1	25
477276	1-8	1	25
477293	1-8	1	25
477296	1-8	1	25
477302	1-2-8	10	24
477303	1-2-8	10	25
477305	1-2-8	1	24
477306	1-2-8	1	25
477307	1	1	25
477312	1-8	1	24
477313	1-8	1	25
477315	1-8	1	24
477316	1-8	1	25
477317	1	1	25
477318	1	1	25
477322	1-8	1	24
477323	1-8	1	25
477325	1-8	1	24
477326	1-8	1	25
477327	1	1	25
477328	1	1	25
477367	1	1	25
477368	1	1	25
477402	1-8	1	24
477403	1-8	1	25
477405	1-8	1	24
477406	1-8	1	25
477407	1	1	25
477411	-8	2	233
477412	1-2-8	10	24
477413	1-2-8	10	25
477415	1-2-8	10	24
477416	1-2-8	5	25
477417	1	1	25
477422	1-2-8	10	24
477423	1-2-8	10	25

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
477425	1-2-8	1	24
477426	1-2-8	5	25
477427	1	1	25
477453	1-8	1	25
477456	1-8	1	25
477457	1	1	25
477458	1	1	25
477486	1-8	1	25-231
477513	1-8	1	25
477516	1-8	1	25
477517	1	1	25
477523	1-8	1	25
477526	1-8	1	25
477533	1-8	1	25
477536	1-8	1	25
477537	1	1	25
477538	1	1	25
477556	1-8	1	25
477586	1-8	1	25
477602	1-8	1	32
477603	1-8	1	32
477605	1-8	1	32
477606	1-8	1	32
477673	1-8	1	25
477676	1-8	1	25
477677	1	1	25
477706	1-8	1	25
477713	1-8	1	25
477716	1-8	1	25
477726	1-8	1	25
477736	1-8	1	25
477763	1-8	1	25
477773	1-8	1	25
477783	1-8	1	25
477793	1-8	1	25
477813	1-8	1	25
477816	1-8	1	25
477823	1-8	1	25
477826	1-8	1	25
477827	1	1	25
477833	1-8	1	25
477836	1-8	1	25
477901		1	33
477951		1	32
477952		1	32
477955		1	32
478126		1	304
478136		1	304
478146		1	304
478206		1	304
478213		1	243

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
478246		1	304
478306		1	304
478313		1	243
478323		1	243
478406		1	304
479024	8	1	367
479243	1-8	1	367
479246	1-8	1	367
479263	1-8	1	367
479266	1-8	1	367
479336	6-8	1	367
479363	1-8	1	367
479366	1-8	1	367
479463	1-8	1	367
479466	1-8	1	367
480024	8	1	64
480124	1-8	1	64
480126	1-8	1	64
480136	1-8	1	64
480146	1-8	1	64
480224	1-8	1	64
480226	1-8	1	64
480233	1-8	1	64
480236	1-8	1	64
480246	1-8	1	64
480324	8	1	63
480326	8	1	63
480329	8	1	63
480334	8	1	63
480336	8	1	63
480339	8	1	63
480344	8	1	63
480346	8	1	63
480349	8	1	63
481324	8	1	63
481326	8	1	63
481329	8	1	63
481334	8	1	63
481336	8	1	63
481339	8	1	63
481344	8	1	63
481346	8	1	63
481349	8	1	63
483126	8	1	64
483136	8	1	64
483146	8	1	64
483226	8	1	64
483236	8	1	64
483246	8	1	64
485124	8	1	23
485126	8	1	23

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
485129	8	1	23
485134	8	1	23
485136	8	1	23
485139	8	1	23
485144	8	1	23
485146	8	1	23
485149	8	1	23
485224	8	1	23
485226	8	1	23
485229	8	1	23
485234	8	1	23
485236	8	1	23
485239	8	1	23
485244	8	1	23
485246	8	1	23
485249	8	1	23
487124	8	1	23
487126	8	1	23
487129	8	1	23
487134	8	1	23
487136	8	1	23
487139	8	1	23
487144	8	1	23
487146	8	1	23
487149	8	1	23
487224	8	1	23
487226	8	1	23
487229	8	1	23
487233	8	1	23
487234	8	1	23
487236	8	1	23
487239	8	1	23
487244	8	1	23
487246	8	1	23
487249	8	1	23
488114	8	10	22
488116	8	10	22
488124	8	1	20
488126	8	10	20
488129	8	1	20
488134	8	1	20
488136	8	10	20
488139	8	1	20
488144	8	1	20
488146	8	10	20
488149	8	1	20
488224	8	1	20
488226	8	5	20
488229	8	1	20
488234	8	1	20
488236	8	5	20

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
488239	8	1	20
488244	8	1	20
488246	8	5	20
488249	8	1	20
489124	8	1	20
489126	8	10	20
489129	8	1	20
489134	8	1	20
489136	8	10	20
489139	8	1	20
489144	8	1	20
489146	8	10	20
489149	8	1	20
489224	8	1	20
489226	8	5	20
489229	8	1	20
489233	8	1	20-231
489234	8	1	20
489236	8	5	20
489239	8	1	20
489244	8	1	20
489246	8	5	20
489249	8	1	20
490024	8	1	57
490124	8	1	57
490126	8	1	57
490129	8	1	57
490134	8	1	57
490136	8	1	57
490139	8	1	57
490144	8	1	57
490146	8	1	57
490149	8	1	57
490224	8	1	57
490226	8	1	57
490229	8	1	57
490233	8	1	57-231
490234	8	1	57
490236	8	1	57
490239	8	1	57
490244	8	1	57
490246	8	1	57
490249	8	1	57
491124	8	1	56
491126	8	1	56
491129	8	1	56
491134	8	1	56
491136	8	1	56
491139	8	1	56
491144	8	1	56
491146	8	1	56

Mark Legend: 1 = IMQ 2 = VDE 3 = R.i.na. 4 = M.M.I. 5 = ENEC 6 = CCC 7 = cULus 8 = UKR 9 = Lloyd's Register

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
491149	8	1	56
491224	8	1	56
491226	8	1	56
491229	8	1	56
491233	8	1	56-231
491234	8	1	56
491236	8	1	56
491239	8	1	56
491244	8	1	56
491246	8	1	56
491249	8	1	56
492124	8	1	56
492126	8	1	56
492136	8	1	56
492146	8	1	56
492226	8	1	56
492236	8	1	56
492246	8	1	56
493124		1	47
493126	8	1	47
493136	8	1	47
493146	8	1	47
493226	8	1	47
493236	8	1	47
493246	8	1	47
494124		1	47
494126	8	1	47
494136	8	1	47
494146	8	1	47
494226	8	1	47
494236	8	1	47
494246	8	1	47
495124		1	48
495126	8	1	48
495129		1	48
495134		1	48
495136	8	1	48
495139		1	48
495144		1	48
495146	8	1	48
495149		1	48
495224		1	48
495226	8	1	48
495229		1	48
495233		1	48
495234		1	48
495236	8	1	48
495239		1	48
495244		1	48
495246	8	1	48
495249		1	48

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
496024	8	1	49
496124		1	48
496126	8	1	48
496129		1	48
496134		1	48
496136	8	1	48
496139		1	48
496144		1	48
496146	8	1	48
496149		1	48
496224		1	48
496226	8	1	48
496229		1	48
496233		1	48
496234		1	48
496236	8	1	48
496239		1	48
496244		1	48
496246	8	1	48
496249		1	48
499126	8	1	57
499136	8	1	57
499146	8	1	57
499226	8	1	57
499236	8	1	57
499246	8	1	57
		5	
500401		1	103
500402		1	103
500403		1	103
500411		1	103
500412		1	103
500413		1	103
500451		1	103
500452		1	103
500453		1	103
500411		1	103
500412		1	103
500413		1	103
500601	8	1	111
500602	8	1	111
500603	8	1	111
500700	8	1	113
500701	8	1	113
500711	8	1	113
500714	8	1	113
500722	8	1	113
500723	8	1	113
500726	8	1	113
500727	8	1	113
500753	8	1	110

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
500750	8	1	110
500762	8	1	110
500766	8	1	110
500767	8	1	110
500768	8	1	110
500770	8	1	110
500790	8	1	110
500792	8	1	110
500800	8	1	110
500801	8	1	110
500802	8	1	110
500816	8	1	110
500817	8	1	110
500830	8	1	110
500831	8	1	110
500833	8	1	110
500835	8	1	110
500840	8	1	110
500841	8	1	110
500843	8	1	110
500860	8	1	111
500861	8	1	111
500863	8	1	111
500872	8	1	111
500874	8	1	111
500885	8	1	109
500890	8	1	110
500891	8	1	110
500892	8	1	110
500893	8	1	110
500894	8	1	110
500895	8	1	110
500896	8	1	110
500897	8	1	110
500900	8	1	111
500903	8	1	111
500904	8	1	111
500916	8	1	111
500918	8	1	111
500930	8	1	111
500933	8	1	111
500934	8	1	111
500935	8	1	111
500936	8	1	111
500941	8	1	111
500943	8	1	111
500949	8	1	111
501500		1	111
501501		1	111
501502		1	111
501503		1	111

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
501530		1	116
501531		1	372
501540		1	116
501550		1	116
501560		1	116
501565		1	116
501580		1	31
501590		1	116
501591		1	116
501595		1	116
504101		1	372
505120		1	372
506154		1	372
508124		1	23
508126		1	23
508136		1	23
508146		1	23
508224		1	23
508226		1	23
508236		1	23
508246		1	23
509124		1	23
509126		1	23
509136		1	23
509146		1	23
509224		1	23
509226		1	23
509236		1	23
509246		1	23
509326		1	23
509336		1	23
509346		1	23
511110		1	128
511112		1	96-134
511114		1	96-134
511122		1	134
511124		1	134
511142		1	134
511144		1	134
511147		1	96-134
511210		5	128
511212		1	96-134
511214		1	96-134
511217		1	96-134
511220		1	128
511222		1	134
511224		1	134
511227		1	96-134
511232		1	135
511234		1	135
511236		1	96-135

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
511237		1	96-135
511310		1	128
511312		1	135
511314		1	135
511320		1	128
511322		1	135
511324		1	135
511412		1	135
511414		1	135
511420		1	128
511422		1	135
511424		1	135
511452		1	135
511512		1	135
511514		1	135
511612		1	135
511614		1	135
511632		1	135
511634		1	135
511642		1	135
511822		1	135
511824		1	135
512204		1	141
512206		1	141
512211		1	141
515111		1	96-128-136
515112		1	96-128-136
515124		1	136
515144		1	96-136
515200		1	96-128-136
515214		1	96128-136
515221		1	96-128-136
515224		1	96-128-136
515234		1	96-136
515300		1	136
515313		1	128-136
515323		1	128-136
515411		1	136
515413		1	136
515423		1	128-136
515453		1	136
515512		1	136
515610		1	136
515613		1	136
515632		1	136
515637		1	136
515642		1	136
515645		1	136
515822		1	136
516314		1	136
516324		1	136

Marks and homologations of Palazzoli codes are in continuous development. On website www.palazzoli.com it is possible to view any updates.

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
516414		1	136
516424		1	136
516454		1	136
516611		1	136
516613		1	136
516631		1	136
516636		1	136
516643		1	136
516823		1	136
516826		1	136
518204		1	97-137
518206		1	97-137
518207		1	137
518209		1	97-137
518211		1	137
519210		1	137
519310		1	137
519610		1	137
521210		1	128
521214		1	135
521314		1	135
521414		1	135
525200		1	128-136
525300		1	128-136
525410		1	136
529210		1	137
529310		1	137
529410		1	137
530001		1	122
530002		1	122
530003		1	122
530004		1	122
530005		1	122
530006		1	122
530007		1	122
530031		1	122
530032		1	122
530033		1	122
530034		1	122
530035		1	122
530036		1	122
530037		1	122
530501		5	122
530502		5	122
530503		5	122
530504		1	122
530505		1	122
530506		1	122
530520		12	122
530521		12	122
530522		6	122

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
530523		6	122
530524		2	122
530540		12	122
530541		12	122
530542		6	122
530543		6	122
530544		2	122
530550		6	122
530551		6	122
530552		3	122
530553		3	122
530554		2	122
530560		5	123
530561		5	123
530562		5	123
530563		5	123
530564		5	123
530580		8	123
530581		8	123
530582		8	123
530583		8	123
530584		8	123
530601		5	123
530602		5	123
530603		5	123
530604		5	123
530605		4	123
530606		1	123
530607		1	123
530621		5	123
530622		5	123
530623		5	123
530624		5	123
530625		4	123
530626		1	123
530640		5	123
530641		5	123
530660		12	123
530680		10	123
531011		1	131
531021		1	131
531040		1	131
531042		1	131
531062		1	131
531200		1	131
531211		1	85-131
531213		1	369
531220		1	131
531221		1	85-131
531222		1	131
531223		1	369

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
531231		1	131
531233		1	369
531240		1	131
531241		1	131
531242		1	131
531262		1	131
531311		1	85-131
531312		1	369
531321		1	131
531322		1	369
531331		1	85-131
531332		1	369
531340		1	131
531411		1	131
531431		1	131
531440		1	131
531442		1	131
531540		1	131
531640		1	131
531662		1	131
532005		1	126
532006		1	126
532015		1	126
532016		1	84-126
532017		1	84-126
532018		1	84-126
532035		5	125
532045		1	125
532055		1	125
532100		1	83
532101		1	83
532109		1	84
532110		1	82
532116		1	125
532117		1	125
532118		1	125
532119		1	84
532120		1	82
532200		1	83
532201		1	83
532202		1	83
532203		1	83
532204		1	83
532211		1	83
532225		8	368
532285		1	368
532295		1	368
532300		1	83-141
532301		1	83-141
532302		1	83-141
532303		1	83-141

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
532304		1	83-141
532311		1	83
532325		4	368
532346		1	368
532385		1	368
532516		1	84-141
532527		1	82
532557		1	84-141
532567		1	368
532577		1	368
532618		1	368
532628		1	368
532638		1	368
532648		1	368
532658		1	84-141
532667		1	368
532668		1	368
532677		1	368
532678		1	368
532688		1	368
532698		1	368
532700		1	83
532702		1	83
532703		1	83
532704		1	83
532705		1	280-368
532714		1	280-368
532715		1	280-368
532716		1	84-126-274-280
532717		1	84-126-274-280
532718		1	84-126-274-280
532725		1	129
532735		1	129
532745		1	129
532747		1	129
532748		1	129
532755		1	129
532765		1	129
532768		1	129
532806		1	97-277
532816		1	97-277
532826		1	97-277
532836		1	97-277
532846		1	97-277
532856		1	97-277
532866		1	97-277
532895		1	97-277
535126		1	132
535131		1	132
535135		1	132
535137		1	132

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
535140		1	132
535142		1	132
535157		1	132
535162		1	132
535320		1	85-132
535321		1	85-132
535322		1	132
535323		1	132
535324		1	132
535325		1	132
535326		1	132
535327		1	132
535328		1	132
535640		1	85-132
535643		1	85-132
536311	1	1	29
536312	1	1	29
536322	1	1	29
536338	1	1	29
538005		1	126
538006		1	126
538015		1	126
538016		1	126
538017		1	126
538018		1	126
538035		1	126
538045		1	126
538055		1	126
538110		2	85-133-157
538116		1	126
538117		1	126
538118		1	126
538130		2	85-133-157
538180		1	369
538210		2	85-133-157
538230		2	85-133-157
538280		1	369
538310		1	133-157
538330		1	133-157
538380		1	369
538385		1	133
538400		1	86
538410		1	86
538421		1	148
538425		1	73-83
538429		1	148
538432		1	73-83
538436		1	148
538440		1	73-83
538610		10	372
538620		10	372

Mark Legend: 1 = IMQ 2 = VDE 3 = R.i.na. 4 = M.M.I. 5 = ENEC 6 = CCC 7 = cULus 8 = UKR 9 = Lloyd's Register

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
538630		5	372
538701		1	274-368
538702		1	274-368
538703		1	86-274
538711		1	86-274
538712		1	86-274
538791		50	86-274
538800		1	83
538801		1	83
538802		1	83
538803		1	83
538804		1	83
540000		1	372
540001		1	372
540002		1	372
540003		1	372
540004		1	372
540005		1	372
540006		1	372
540030		1	98-137-162-277
540031		5	98-137-162-277
540032		1	98-137-162-277
540033		2	98-137-162-277
540034		2	98-137-162-277
540035		2	98-137-162-277
540036		1	98-137-162-277
540061		1	98-137-162-277
540062		1	98-137-162-277
540063		1	98-137-162-277
540064		1	98-137-162-277
540065		1	98-137-162-218-277
540066		1	98-137-162-277
540090		5	98-137-162-277
540091		5	98-137-162-277
540141		1	98-138-163-276
540142		1	98-138-163-276
540145		1	98-138-163-276
540151		1	98-138-163-276
540152		1	98-138-163-276
540153		1	98-138-163-276
540154		1	98-138-163-276
540156		1	98-138-163-276
540161		1	139-163
540162		6	139-163
540163		1	139-163
540164		1	139-163
540165		1	139-163
540180		1	138-162
540185		1	138-162
540186		1	138-162
540190		1	138-162

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
540193		1	138-162
540195		1	138-162
541010		1	98-138-163-276
541011		1	98-138-163-276
541020		1	98-138-163-276
541021		1	98-138-163-276
541030		1	98-138-163-276
541040		1	98-138-163-276
541050		1	138-162
541055		1	138-162
541080		1	98-138-163-276
541090		1	98-138-163-276
544022		1	139
544031		1	139
544033		1	139
544034		1	139
544035		1	139
544036		1	139
545081		1	139
545082		1	139
545083		1	139
545084		1	139
545085		1	139
545086		1	139
546311	1	1	29
546312	1	1	29
546322	1	1	29
546338	1	1	29
546344	1	1	29
546350	1	1	29
547000		1	163
547010		1	99-139
547011		5	163
547020		1	99-139
547021		1	99-139
547030		1	99-139
547031		1	99-139
547032		1	99-139
547033		1	163
547041		1	99-139
547042		1	99-139
547043		1	99-139
547053		1	99-139
547054		1	99-139
547055		1	163
547063		1	99-139
547064		1	99-139
547065		1	99-139
547067		1	163
547151		1	99-139
547152		1	99-139

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
547161		1	99-139
547162		1	99-139
547300		1	99-139
547410		1	99-139
547411		1	99-139
549311	1-8	1	29
549312	1-8	1	29
549322	1-8	1	29
549344	1-8	1	29
549538	1-8	1	29
549550	1-8	1	29
556311	1-8	1	29
556322	1-8	1	29
556338	1-8	1	29
556344	1-8	1	29
559011		1	186
559012		1	186
559021		8	181
559022		1	181
559031		8	181
559032		1	181
559132		15	186
559232		1	182
559311	1	1	29
559322	1	1	29
559344	1	1	29
559538	1	1	29
570000		1	366
570010		1	60-117
571007	7	50	143
571009	7	50	143
571011	7	50	143
571013	7	50	143
571016	7	50	143
571021	7	50	143
571029	7	25	143
571036	7	10	143
571042	7	5	143
571048	7	5	143
571107	7	50	143
571109	7	50	143
571111	7	50	143
571113	7	50	143
571116	7	50	143
571121	7	50	143
571129	7	25	143
571136	7	10	143
571142	7	5	143
571148	7	5	143
571207		500	143-285
571209		500	143-285

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
571211		400	143-285
571213		300	143-285
571216		250	143-285
571221		300	143-285
571229		150	143-285
571236		100	143-285
571242		75	143-285
571248		50	143-285
572007		50	145
572009		50	145
572011		50	145
572013		50	145
572016		50	145
572021		25	145
572029		25	145
572036		10	145
572042		5	145
572048		5	145
572107		50	145
572109		50	145
572111		50	145
572113		50	145
572116		50	145
572121		25	145
572129		25	145
572136		10	145
572142		5	145
572148		5	145
572207		100	145
572209		100	145
572211		100	145
572213		100	145
572216		100	145
572221		100	145
572229		50	145
572236		25	145
572242		25	145
572248		25	145
572307		100	145
572309		100	145
572311		100	145
572313		100	145
572316		100	145
572321		100	145
572329		50	145
572336		25	145
572342		25	145
572348		10	145
575500		1	31
575501		1	50
575502		1	65

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
575505		1	124
575506		1	141
575701		1	237
575702		1	237
575706		1	237
575708		1	237
575710		1	237
575711		1	237
576100		1	235
576101		1	235
576110		1	235
576111		1	235
576112		1	235
576113		1	235
576200		1	235
576201		1	235
576202		1	235
576203		1	235
576205		1	235
576206		1	235
576400		1	236
576401		1	236
576600		1	236
576601		1	236
576800		1	235
579002		1	367
579003		1	367
579011		1	60
579012		10	60
579013		1	60
579014		1	60
579101		1	367
579211		1	65
579222		1	367
579333		1	367
579400		1	63-65
579421		1	63-64
579422		1	64
579423		1	64
579444		1	367
579451		1	58-366
579452		1	58-366
579453		1	58-366
579462		1	366
579500		1	50
579502		1	47
579509		1	49
579510		1	50
579520		1	47
579521		1	47
579540		1	47

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Palazzoli code	Marks	Pack Q.ty	Catalogue Page
579541		1	47
579542		1	47
579582		1	51
579584		1	51
579590		1	50
579591		1	51
579592		1	366
579602		1	49
579612		1	49-141
579620		1	49
579621		1	49
579622		1	64
579623		1	64
579631		1	63-64
579640		1	49
579641		1	49
579642		1	49
579708		1	58-141
579709		1	58-141
579710		1	59
579711		1	59
579712		1	59
579713		1	59
579714		1	59
579715		1	57
579716		1	59
579718		1	51
579719		1	65
579721		1	58
579722		1	58
579723		1	58
579741		1	58
579742		1	58
579743		1	58
579744		1	58
579822		1	21
579823		1	21
579824		1	21
579826		1	21
579828		1	21
579830		10	22
579831		10	22
579832		10	22
579840		5	20-174
579842		1	22
579843		1	366
579845		10	22
579846		1	366
579847		10	21-174
579848		1	22
579849		1	22

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
579850		1	20-60
579852		1	21
579853		1	21
579854		1	21
579855		1	60
579901		1	51
579902		1	65
579904		20	60
579910		1	65
580051		5	149
580052		5	149
580054		5	149
580101		1	148
580102		5	148
580104		1	148
580105		1	148
580201		1	147
580203		1	368
580205		1	368
580211		1	148
580212		1	148
580213		1	148
580230		5	148
580231		5	148
580232		5	148
580233		1	148
580234		5	148
580240		1	51
580242		5	368
580243		5	368
580244		1	368
580245		1	368
580250		1	60
580261		1	150
580264		1	150
580271		1	150
580272		1	150
580274		1	150
580275		1	150
580276		1	150
580282		1	147
580283		1	147
580291		1	150
580292		1	150
580294		1	150
580295		1	150
580296		1	150
581012	7	100	144
581016	7	100	144
581020	7	100	144
581025	7	50	144

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
581032	7	25	144
581040	7	15	144
581050	7	10	144
581063	7	5	144
581112	7	100	86-144
581116	7	100	86-144
581120	7	50	86-144
581125	7	50	86-144
581132	7	25	86-144
581140	7	15	86-144
581150	7	10	86-144
581163	7	5	86-144
581212		100	86-144-286
581216		100	86-144-286
581220		100	86-144-286
581225		100	86-144-286
581232		50	86-144-286
581240		30	86-144-286
581250		30	86-144-286
581263		15	86-144-286
582012		100	146
582016		100	146
582020		50	146
582025		50	146
582032		25	146
582041		10	146
582050		8	146
582112		100	146
582116		100	146
582120		50	146
582125		50	146
582132		25	146
582141		10	146
582150		8	146
582163		5	146
582212		100	146-288
582216		100	146-288
582220		100	146-288
582225		100	146-288
582232		100	146-288
582240		50	146-288
582250		50	146-288
582263		50	146-288
582312		100	146
582316		100	146-122
582320		100	146-122
582325		100	146-122
582332		50	146-122
582340		50	146-122
582350		25	146-122
582363		25	146-122

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
585316		10	255
585317		10	255
585318		10	255
585319		10	255
585406		10	256
585407		10	256
585408		10	256
585409		10	256
585410		10	255
585411		10	256
585412		10	256
585413		10	256
585414		10	256
585415		10	256
585416		10	256
585480		10	255
585490		10	256
590002		5	149
590004		1	149
590021		1	191
590032		1	149
590042		1	149
6			
601532		1	114
601563		1	114
604101		1	113
604102		1	113
604103		1	113
604104		1	113
604105		1	113
604106		1	113
604107		1	113
604108		1	113
605101		1	113
605102		1	113
605103		1	113
605104		1	113
605105		1	113
605106		1	113
605107		1	113
605108		1	113
606101		1	113
606102		1	113
606103		1	113
606104		1	113
606105		1	113
606106		1	113
606107		1	113
606108		1	113
610012		1	112
610606		1	112

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
611032		1	108
611063		1	108
611100		1	108
611125		1	108
614001		1	112
614002		1	112
614003		1	112
614004		1	112
614005		1	112
614101		1	112
614102		1	112
614103		1	112
614104		1	112
614105		1	112
614106		1	112
614107		1	112
615001		1	112
615002		1	112
615003		1	112
615004		1	112
615005		1	112
615101		1	112
615102		1	112
615103		1	112
615104		1	112
615105		1	112
615106		1	112
615107		1	112
616001		1	112
616002		1	112
616003		1	112
616004		1	112
616005		1	112
616006		1	112
616007		1	112
616008		1	112
616009		1	112
616101		1	112
616102		1	112
616103		1	112
616104		1	112
616105		1	112
616106		1	112
616107		1	112
616108		1	112
616109		1	112
616110		1	112
630001		36	174
630002		36	174
630003		24	174
630011		30	174

Mark Legend: 1 = IMQ 2 = VDE 3 = R.i.na. 4 = M.M.I. 5 = ENEC 6 = CCC 7 = cULus 8 = UKR 9 = Lloyd's Register

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
630012		30	174
630013		24	174
630021		20	174
630022		8	174
630030		20	175
630031		20	175
630035		20	177
630040		20	177
630041		20	177
630042		20	177
630050		20	175
630051		8	175
630052		8	175
630053		8	175
630054		8	175
630055		8	176
630056		8	176
630057		8	176
630070		20	176
630071		20	176
630080		20	176
630081		20	176
630090		100	177
630091		200	177
641216	1-8	1	369
643216	1-8	10	369
670030		1	117
670031		1	117
670032		1	117
670040		1	117
670041		1	117
670042		1	117
670043		1	117
670060		1	117
670061		1	117
670062		1	117
670063		1	117
670130		1	117
670140		1	117
675001		1	109
675002		1	109
675101		1	108
675102		1	108
676001		1	109
676002		1	109
676003		1	109
676004		1	109
676101		1	108
676102		1	108
677001		1	109
677002		1	109

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
677003		1	109
677004		1	109
677101		1	108
677102		1	108
678001		1	109
678002		1	109
678020		1	102
678021		1	102
678022		1	102
678040		1	102
678041		1	102
678042		1	102
678047		1	102
678049		1	102
678060		1	102
678061		1	102
678062		1	102
678068		1	102
678069		1	102
678101		1	108
678102		1	108
678120		1	102
678121		1	102
685001		1	109
685002		1	109
686001		1	109
686002		1	109
686003		1	109
686004		1	109
687001		1	109
687002		1	109
687003		1	109
687004		1	109
688001		1	109
688002		1	109
		7	
700120	1-8	5	24
700122	1-8	5	24
700123	1-8	5	24
700124	1-8	10	16
700126	1-8	10	16
700127	1-8	5	24
700128	1-8	5	24
700129	1-8	5	16
700130	1-8	5	24
700131	1-8	5	24
700132	1-8	5	24
700134	1-8	5	16
700135	1-8	5	24
700136	1-8	10	16
700137	1-8	5	24

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
700139	1-8	5	16
700140	1-8	5	24
700141	1-8	5	24
700142	1-8	5	24
700144	1-8	5	16
700145	1-8	5	24
700146	1-8	10	16
700147	1-8	5	24
700149	1-8	5	16
700220	1-8	5	24
700222	1-8	5	24
700223	1-8	5	24
700224	1-8	5	16
700226	1-8	5	16
700227	1-8	5	24
700228	1-8	5	24
700229	1-8	5	16
700230	1-8	5	24
700231	1-8	5	24
700232	1-8	5	24
700233	1-8	5	24
700234	1-8	5	16
700235	1-8	5	24
700236	1-8	5	16
700237	1-8	5	24
700239	1-8	5	16
700240	1-8	5	24
700241	1-8	5	24
700242	1-8	5	24
700243	1-8	5	24
700244	1-8	5	16
700245	1-8	5	24
700246	1-8	5	16
700247	1-8	5	24
700249	1-8	5	16
701122	1-8	5	24
701132	1-8	5	24
701222	1-8	5	24
701232	1-8	5	24
710124		10	16
710126		10	16
710136		10	16
710146		10	16
710224		6	16
710226		6	16
710236		6	16
710246		6	16
710326		1	16
710336		1	16
710346		1	16
720120	1-8	5	28

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
720122	1-8	5	28
720123	1-8	5	28
720124	1-8	5	19
720126	1-8	10	19
720127	1-8	5	28
720128	1-8	5	28
720129	1-8	5	19
720130	1-8	5	28
720131	1-8	5	28
720132	1-8	5	28
720134	1-8	5	19
720135	1-8	5	28
720136	1-8	10	19
720137	1-8	5	28
720139	1-8	5	19
720140	1-8	5	28
720141	1-8	5	28
720142	1-8	5	28
720144	1-8	5	19
720145	1-8	5	28
720146	1-8	5	19
720147	1-8	5	28
720149	1-8	5	19
720220	1-8	5	28
720222	1-8	5	28
720223	1-8	5	28
720224	1-8	5	19
720226	1-8	5	19
720227	1-8	5	28
720228	1-8	5	28
720229	1-8	5	19
720230	1-8	5	28
720231	1-8	5	28
720232	1-8	5	28
720233	1-8	5	28
720234	1-8	5	19
720235	1-8	5	28
720236	1-8	5	19
720237	1-8	5	28
720239	1-8	5	19
720240	1-8	5	28
720241	1-8	5	28
720242	1-8	5	28
720243	1-8	5	28
720244	1-8	5	19
720245	1-8	5	28
720246	1-8	5	19
720247	1-8	5	28
720249	1-8	5	19
721122	1-8	5	28
721132	1-8	5	28

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
721222	1-8	5	28
721232	1-8	5	28
730124		10	19
730126		10	19
730136		10	19
730146		10	19
730224		6	19
730226		6	19
730236		6	19
730246		6	19
730326		1	19
730336		1	19
730346		1	19
740001		10	37
740002		10	37
740003		10	37
740101		10	37
745338		1	26
746338	1	1	26
748538		1	26
749538	1	1	26
749550	1	1	26
752126		1	37
752136		1	37
752146		1	37
753126		1	37
753136		1	37
753146		1	37
753236		1	37
755338		1	26
756338	1	1	26
758538		1	26
759538	1	1	26
791910	2	5	124
791911	2	25	129
791915		100	147
791916		20	147
791920	2	5	124
791925		20	147
791926		20	147
791930	2	5	124
791931	2	15	129
791935		50	147
791936		10	147
791940	2	5	124
791941	2	1	129
791945		30	147
791946		5	147
791950	2	2	124
791951	2	2	129
791960		1	124

Marks and homologations of Palazzoli codes are in continuous development. On website www.palazzoli.com it is possible to view any updates.

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
791961		1	129
791971		1	129
	8		
800061	4	6	183
800062	4	6	183
800063	4	6	183
800064	4	6	183
800071		1	187
800072		1	187
800073		1	187
800074		1	187
800091		10	372
800092		10	372
800093		10	372
800094		10	372
800100		1	373
800121		1	190
800122		1	190
800123		1	190
810060	8	5	204
810071	8	1	202
810100	8	1	204
810171	8	1	202
810200	8	2	204
810271	8	1	202
811060	8	5	204
811071	8	1	203
811100	8	1	204
811171	8	1	203
811200	8	2	204
811271	8	1	203
812060	8	5	204
812071	8	1	202
812100	8	5	204
812171	8	1	202
812200	8	2	204
812271	8	1	202
812988	8	1	202
813060	8	1	204
813071	8	1	203
813100	8	2	204
813171	8	1	203
813200	8	2	204
813271	8	1	203
814052	8	1	203-256
815141	8	1	251
815151	8	1	251
815161	8	1	251
815181	8	1	251
816071	8	1	194
816171	8	1	194

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
816271		1	194
819001		1	375
819012		1	205
819015		1	205
819017		1	205
819018		1	205
819019		1	205
819020		1	206
819022		1	206-251-253
819030		5	206-251
819035		1	206-251
819040		1	375
819054	8	1	375
819055	8	20	374
819056	8	10	374
819112		1	205
819120		1	206
819130		5	206-251
819135		1	206-251
819140	8	1	375
819160		1	376
819212		1	205
819220		1	206
819230		5	206-251
819235		1	206-251
820000		1	213-303
820001		1	213-303
820002		1	213-303
820003		1	213-303
820006		1	213
820007		1	249
820008		1	213
820020		1	374
820021		1	374
820030		1	374
820031		1	374
820101	5-3-8	1	211
820102	5-3-8	1	211
820103	5-3-8	1	211
820111	5-8	1	211
820131	8	1	211
820132	8	1	211
820133	8	1	211
820151	8	1	211
820152	8	1	211
820201	5-3-8	1	211
820202	5-3-8	1	211
820203	5-3-8	1	211
820211	5-8	1	211
820231	8	1	211
820232	8	1	211

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
820233	8	1	211
820251	8	1	211
820252	8	1	211
822101	5-8	1	211
822102	5-8	1	211
822103	5-8	1	211
822131	8	1	211
822132	8	1	211
822201	5-8	1	211
822202	5-8	1	211
822203	5-8	1	211
822210	5-8	1	211
822211	5-8	1	211
822231	8	1	211
822232	8	1	211
822301	8	1	211
822302	8	1	211
822311	8	1	211
822331	8	1	211
822332	8	1	211
822862	8	1	211
822961	8	1	211
822962	8	1	211
823102	5-8	1	211
823111	5-8	1	211
823132	8	1	211
823201	5-8	1	211
823202	5-8	1	211
823211	5-8	1	211
823232	8	1	211
823302	5-8	1	211
823311	5-8	1	211
823331	5-8		211
823332	8	1	211
823761	8	1	211
823762	8	1	211
823861	8	1	211
823862	8	1	211
823961	8	1	211
823962	8	1	211
824101	5-8	1	211
824102	5-8	1	211
824131	8	1	211
824201	5-8	1	211
824202	5-8	1	211
824231	8	1	211
824301	8	1	211
824331	8	1	211
824861	8	1	211
824862	8	1	211
825102	5-8	1	212

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
825111	5-8	1	212
825132	8	1	212
825202	5-8	1	212
825211	5-8	1	212
825232	8	1	212
828101	5-8	1	212
828102	5-8	1	212
828132	8	1	212
828202	8	1	212
828232	8	1	212
830071	8	1	200
830072	8	1	200
830512	8	1	373
830540	8	1	373
831069	8	1	254
831071	8	1	199
831072	8	1	199
831075	8	1	199
831089	8	1	254
831091	8	1	199
831092	8	1	199
831095	8	1	199
831109	8	1	254
831171	8	1	199
831172	8	1	199
831175	8	1	199
831189	8	1	254
831191	8	1	199
831192	8	1	199
831195	8	1	199
831209	8	1	254
831271	8	1	199
831272	8	1	199
831275	8	1	199
831289	8	1	254
831291	8	1	199
831292	8	1	199
831295	8	1	199
831512		1	373
831527		1	254
831540		1	373
831612		1	373
831627		1	254
831640		1	373-375
831712		1	373
831727		1	254
831740		1	373
831914		1	199
831934		1	199
831954		1	199
842101	5-8	1	212

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
842102	5-8	1	212
842132	8	1	212
842201	5-8	1	212
842202	5-8	1	212
842232	8	1	212
842301	8	1	212
842302	8	1	212
842332	8	1	212
842962	8	1	212
843102	5-8	1	212
843132	8	1	212
843201	5-8	1	212
843202	5-8	1	212
843210	5-8	1	212
843211	5-8	1	212
843231	8	1	212
843232	8	1	212
843302	8	1	212
843311	8	1	212
843332	8	1	212
843761	8	1	212
843762	8	1	212
843861	8	1	212
843862	8	1	212
843961	8	1	212
843962	8	1	212
845102	5-8	1	213
845132	8	1	213
845202	5-8	1	213
845210	5-8	1	213
845211	5-8	1	213
845232	8	1	213
849102	3-5-8	1	249
849111	8	1	249
849132	8	1	249
849202	3-5-8	1	249
849211	8	1	249
849232	8	1	249
850042	8	1	252
850045	8	1	252
850050		1	252
850054	8	2	252
850058		10	252
850060		1	251-252
850061		1	205-251-252
850062		1	205-251-252
850063		1	205-251-252
850064		1	205-251-252
850065	8	1	252
850080		1	375
850090		1	253

Mark Legend: 1 = IMQ 2 = VDE 3 = R.i.na. 4 = M.M.I. 5 = ENEC 6 = CCC 7 = cULus 8 = UKR 9 = Lloyd's Register

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
850091		1	253
850140	8	1	253
850143	8	1	253
850172		1	206-251-253
850300	8	1	255
850301	8	1	255
850360		1	376
850380		1	376
850381		1	376
850391		1	255
859180		1	376
859188		10	375
859400		1	206-251
859412		1	200-254
860100		1	196
860140		1	196
860200		1	196
860211		1	196
860240		1	197
860900		1	196
860990		1	196
861100		1	194
861140		1	194
861200		1	194
861211		1	194
861505		1	195
861506		1	195
861507		1	195
861508		1	195
861510		1	195
861550		1	197-242
861551		1	197-239
878102	3-5	1	249
878111		1	249
878132		1	249
878202	3-5	1	249
878211		1	249
878232		1	249
881102	3-5	1	249
881132		1	249
9			
900253		1	169
900259		1	373
900263		1	169
900269		1	373
900273		1	169
900279		1	373
900355		1	245
900365		1	245
900375		1	245
900448		1	169-293

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
900453		1	169
900459		1	373
900463		1	169
900469		1	373
900473		1	169
900479		1	373
900548		1	245
900553		1	245
900563		1	245
900573		1	245
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101025EX		50	279
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101035EX		1	279
101041EX		1	279
101045EX		1	279
101061EX		1	279
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112094EX		1	282
113020EX		1	281
113030EX		1	281
113040EX		1	281
113094EX		1	282
150021EX		1	281
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159033EX		1	283
159034EX		1	283
159035EX		1	283
159036EX		1	283
159037EX		1	283
159040EX		1	283
159042EX		1	283
159043EX		1	283
159044EX		1	283
159045EX		1	283
159046EX		1	283
2EX			
201151EX		1	297
201152EX		1	297
201155EX		1	297
201156EX		1	297

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
201162EX		1	297
201166EX		1	297
202261EX		1	295
202262EX		1	295
202265EX		1	295
202266EX		1	295
202271EX		1	295
202275EX		1	295
202276EX		1	295
202282EX		1	295
202283EX		1	295
249538EX		1	267
249550EX		1	267
259538EX		1	267
261021EX	1	1	297
261403EX	1	1	296
261413EX	1	1	296
261433EX		1	296
261435EX	1	1	296
261445EX	1	1	296
272141EX		1	290
272142EX		1	290
272143EX		1	290
272144EX		1	290
272146EX		1	291
272147EX		1	291
272241EX		1	290
272242EX		1	290
272243EX		1	290
272244EX		1	290
272246EX		1	291
272247EX		1	291
272301EX		1	290
272302EX		1	290
272303EX		1	290
272304EX		1	290
272306EX		1	291
272307EX		1	291
272502EX		1	290
272503EX		1	290
272507EX		1	291
282402EX		1	290
282403EX		1	290
282404EX		1	290
282406EX		1	291
282407EX		1	291
282603EX		1	290
292101EX		1	289
292102EX		1	289
292103EX		1	289
292201EX		1	289

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
292202EX		1	289
292203EX		1	289
292301EX		1	289
292302EX		1	289
292303EX		1	289
292411EX		1	289
292412EX		1	289
292413EX		1	289
292503EX		1	289
292603EX		1	289
292623EX		1	289
4EX			
400124EX		1	269
400126EX		1	269
400129EX		1	269
400134EX		1	269
400136EX		1	269
400137EX		1	269
400139EX		1	269
400144EX		1	269
400146EX		1	269
400147EX		1	269
400149EX		1	269
400226EX		1	269
400234EX		1	269
400236EX		1	269
400237EX		1	269
400239EX		1	269
400244EX		1	269
400246EX		1	269
400336EX		1	269
400337EX		1	269
400339EX		1	269
400346EX		1	269
403124EX		1	270
403126EX		1	270
403129EX		1	270
403134EX		1	270
403136EX		1	270
403139EX		1	270
403144EX		1	270
403146EX		1	270
403149EX		1	270
403226EX		1	270
403234EX		1	270
403236EX		1	270
403239EX		1	270
403244EX		1	270
403246EX		1	270
403336EX		1	270
403339EX		1	270

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
403346EX		1	270
404124EX		1	270
404126EX		1	270
404129EX		1	270
404134EX		1	270
404136EX		1	270
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404144EX		1	270
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404234EX		1	270
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404346EX		1	270
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408236EX		1	270
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408336EX		1	270
408346EX		1	270
415000EX		1	271
415001EX		1	271
415002EX		1	271
464210EX		1	273
464220EX		1	273
464230EX		1	273
464310EX		1	273
464320EX		1	273
464330EX		1	273
464410EX		1	273
464420EX		1	273
464430EX		1	273
464621EX		1	273
464711EX		1	273
464721EX		1	273
464722EX		1	273
464731EX		1	273
464732EX		1	273
464811EX		1	273
464831EX		1	273
464832EX		1	273
470126EX		1	273
470136EX		1	273
470146EX		1	273

Marks and homologations of Palazzoli codes are in continuous development. On website www.palazzoli.com it is possible to view any updates.

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
470226EX		1	273
470236EX		1	273
470246EX		1	273
470336EX		1	273
470346EX		1	273
472233EX		10	275
472243EX		1	275
472246EX		1	275
472253EX		1	275
472256EX		1	275
472333EX		1	275
472336EX		1	275
472343EX		1	275
472346EX		1	275
472347EX		1	275
472348EX		1	275
472353EX		1	275
472418EX		1	275
472428EX		1	275
472433EX		1	275
472443EX		1	275
472446EX		1	275
472447EX		1	275
472453EX		1	275
472456EX		1	275
472457EX		1	275
472518EX		1	275
472543EX		1	275
472546EX		1	275
472547EX		1	275
472553EX		1	275
472610EX		1	272
472620EX		1	272
472621EX		1	272
472630EX		1	272
472710EX		1	272
472711EX		1	272
472720EX		1	272
472721EX		1	272
472722EX		1	272
472730EX		1	272
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472732EX		1	272
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472751EX		1	272
472752EX		1	272
472810EX		1	272
472811EX		1	272
472820EX		1	272
472830EX		1	272
472831EX		1	272

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
472832EX		1	272
472840EX		1	272
474210EX		1	273
474220EX		1	273
474230EX		1	273
474310EX		1	273
474320EX		1	273
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474410EX		1	273
474420EX		1	273
474430EX		1	273
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474711EX		1	273
474721EX		1	273
474722EX		1	273
474731EX		1	273
474732EX		1	273
474811EX		1	273
474831EX		1	273
474832EX		1	273
477203EX		1	267
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477417EX		1	267
477423EX		1	267
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477427EX		1	267
477513EX		1	267
477516EX		1	267
477517EX		1	267
477523EX		1	267
5EX			
511910EX		1	281
511911EX		1	281
511912EX		1	281
511913EX		1	281
511914EX		1	276
511915EX		1	276
511916EX		1	276

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
511917EX		1	281
511918EX		1	276
511919EX		1	276
511920EX		1	281
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511922EX		1	281
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511926EX		1	281
511927EX		1	281
511928EX		1	281
511929EX		1	281
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511931EX		1	281
511932EX		1	276
531911EX		1	280
531931EX		1	280
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531942EX		1	280
531962EX		1	280
532005EX		1	280
532006EX		1	280
532015EX		1	280
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532035EX		1	280
532045EX		1	280
532055EX		1	280
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532118EX		1	280
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532725EX		1	282
532735EX		1	282
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532755EX		1	282
532765EX		1	282
532768EX		1	282
571007EX		50	285
571009EX		50	285
571011EX		50	285

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
571013EX		50	285
571016EX		50	285
571021EX		50	285
571029EX		25	285
571036EX		10	285
571042EX		5	285
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571113EX		50	285
571116EX		50	285
571121EX		50	285
571129EX		25	285
571136EX		10	285
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581050EX		5	286
581063EX		5	286
581112EX		50	286
581116EX		50	286
581120EX		50	286
581125EX		50	286
581132EX		25	286
581140EX		10	286
581150EX		5	286
581163EX		5	286
582112EX		50	288

Palazzoli code	Marks	Pack Q.ty	Catalogue Page
582116EX		50	288
582120EX		50	288
582125EX		25	288
582132EX		25	288
582140EX		10	288
582150EX		5	288
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590002EX		1	287
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590032EX		1	287
8EX			
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800063EX		1	296
800064EX		1	296
800121EX		1	297
800122EX		1	297
800123EX		1	297
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820211EX		1	302
820232EX		1	302
822101EX		1	301
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822103EX		1	301
822201EX		1	301
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831275EX		1	299
831295EX		1	299
831954EX		1	299
9EX			
900253EX		1	293
900263EX		1	293
900273EX		1	293
900453EX		1	293
900463EX		1	293
900473EX		1	293

Mark Legend: 1 = IMQ 2 = VDE 3 = R.i.na. 4 = M.M.I. 5 = ENEC 6 = CCC 7 = cULus 8 = UKR 9 = Lloyd's Register

PALAZZOLI S.p.A.
ELECTROTECHNIC INDUSTRY
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Palazzoli

Fully p.u. capital 5.096.000 Euro i.v.
Fiscal code 04452750484
VAT code 03316260177
Brescia Chamber of C. N° 356562
Reg. Brescia Court N° 04452750484
Data code BS 058237

(Registered in Brescia 6 March 1956, N° 9907, Mod. 2, Vol. 359, Private Acts) OFFERS - ESTIMATES - DESIGNS

1 - Prices and terms are binding only at the moment we accept the order with written confirmation.

2 - The terms and other commitments taken on by us with the offer are only valid if the order extends to everything that is included in the offer.

3 - Estimates, general projects, etc. attached to the offer are our exclusive property and thus may not be disclosed to others without our written approval.

4 - Any alteration to the offer and to these general supply terms must be in writing and limited to what has been explicitly agreed.

WEIGHTS - DIMENSIONS - TECHNICAL DATA

5 - Estimates, plans, drawings and technical data given in the catalogues, price lists and offers are only approximate until such time as they are confirmed or replaced by definitive data, total or partial, at the moment of ordering.

PRICES

6 - The prices and discounts in the price lists and offers may be subject to change depending on the requirements of the market or relating to variations in the costs of raw materials or manpower, without prior notice to customers. The prices given are ex-factory; transport, customs, duties, and rights of any nature are always to the customer's charge, unless otherwise agreed in writing.

PACKING AND TRANSPORT

7 - Returns are not accepted on packing. Under no circumstance, our company can be held liable for failed or irregular deliveries by carriers, and it is to be expressly understood that goods, even where, by special agreement, they are sold with free delivery or delivered to the customer's domicile, will always travel at the buyer's full risk. Any return of goods must be authorised beforehand by our company and arrive free of all expense in the warehouse of our factory.

DELIVERY TERMS

8 - The delivery terms agreed on are approximate and not binding and, under the clause "providing unsold" for goods signalled as being ready, it is intended to be valid only in normal work and supply conditions. In no circumstance and for no reason will our company be held liable to make a reimbursement for any direct or indirect damage due to delays in delivery.

PAYMENT

9 - The payment conditions must be agreed in writing or, otherwise, they are understood to be for the net amount in cash at the moment of delivery of the goods. In the case of delayed payment, the customer undertakes to pay interest at an average market rate applied by the Bank, increased by 4%. If the buyer does not comply with, even only partly, any of the agreed conditions for collecting the goods or for the regular payment of single invoices, our company has the option of immediately interrupting further deliveries and to consider itself released from any contractual commitment, but maintaining all rights regarding the buyer's failure to comply with the contract. Unless otherwise expressly agreed, payments must always be made directly to our company.

CLAIMS

10 - Any claims regarding goods supplied must reach us within 12 days of delivery of the same, after which time they will not be accepted. Any claim must be based on firm data in order to be taken into consideration. We reserve the option of taking back or replacing goods that the customer demonstrates to us to be defective, but we will not acknowledge any payment made for repairs or exchange which have been done without our authorisation. It is to remain understood that any claims put forward on single parts of the order will not affect the rest of the order or undertaking, nor the payment for goods received without objection.

WARRANTIES

11 - The warranties that we adopt for material manufactured by us will last 12 months from the date of the invoice concerned. It is understood that, during this period, we undertake to repair or replace free of charge in our workshop those parts or devices which, by defect in manufacture or materials, are seen to be unusable. Nonetheless, we reserve the right to decide in our sole opinion, if it is better to repair or to replace them. We shall not send our staff on site for inspection purposes of places where our equipment has been used in systems, apart from those cases where it is necessary to check the operating conditions to which our equipment has been subject.

12 - Our warranty has natural effect only if the apparatus has been perfectly installed and managed, they have not been tampered with or modified, and all the technical regulations contained in our catalogues and instruction sheets have been followed. The warranty does not cover those items which, by the nature of the material of which the items are made or due to their specific use, are subject to earlyar, and in the same way, breakdowns due to normal wear and tear are excluded.

13 - The customer must give written notice of faults and defects detected, with a precise report on their nature. We undertake to repair or replace the item, within a reasonable period, as per the above mentioned circumstances and terms. Material to repair or replace must be returned to us free of charge.

14 - Our company, with the repair or replacement of items or parts which were defective, is to be considered released of all further liability. Moreover, the customer must, by way of this, consider himself satisfied and waive any request for damages and expenses. In particular cases we may permit the customer to provide for repair or replacement himself, with our only obligation being to reimburse the out-of-pocket expenses acknowledged as being essential for putting our equipment into working condition.

15 - If there should be a dispute of a technical nature, the parties will obtain the opinion of an inspector to be nominated by agreement or, if there is a dispute over the nomination, then the person will be appointed by the presiding judge of Brescia Court.

16 - We will not accept any costs that the buyer has incurred, not even during the warranty period, without our prior written agreement.

17 - Our company reserves the right to use, in the manufacture of its equipment, any material that it deems suitable and to make any changes in shape, weight or dimensions in its products that it feel appropriate.

DISPUTES

18 - The contracts, even if stipulated with foreign companies or persons or for material supplied abroad, are governed by current Italian law. The competent court will only be that of Brescia notwithstanding articles 31 (et seq.) of the Italian Civil Procedure Code, thereby excluding the customer possibility of having recouse to Judicial Authorities of any other place, even for investigations or in any connection with the case, but permitting the supplying company the option of taking legal proceedings, as a plaintiff, in the customer place of residence, in Italy or abroad.

19 - Any disputes do not release the customer from complying with the payment terms and do not imply any extension to the times agreed.

Palazzoli reserves the right to modify or improve the product at any time without prior notice.

www.palazzoli.com

In the left-hand side of the home page, the installation pictures rotate. Clicking on the image, the reference menu comes out, where you can see or download the installation operations.

In the central section of the home page, documents regarding the news rotate. Clicking on the title, you can access the menu and download the pdf files.

In the right-hand side of the home page, there is the Multimedia section. You can see the presentation films about all-time and development series and all ways to install.



COMPANY

A wide file where all documents telling Palazzoli's glorious historical journey is available.

PRODUCTS

A guided browsing of the electronic catalogue. With a few steps, you can obtain the product code. Every code belongs to a data sheet with technical and dimensional information.

SALES

Here you can find the list of wholesalers who sell electric material. The updated price lists, the promotions and displays, where our agents show the advantages of our systems with practical demonstrations.

SERVICES

Here you can interact with design and estimation softwares. You can download design guides, autocad drawings of our products, the ACS distribution board electrical diagrams and the most prestigious references. Besides, in the "Palazzoli Academy" submenu, you can see the dates about technical-commercial update meetings.

COMMUNICATIONS

Here brochures about product news are available. A "pdf" file that can be downloaded onto your PC corresponds to each brochure. A list of field fairs where we will display our products is also available and a blog where you can discuss technical-standards issues.

DOWNLOAD

Here you can download the new catalogue, the price list, the "data and charts for the installer" book, the ATEX guide and the system for road and rail tunnel electrification.

Palazzoli Academy



PROFESSIONAL INSTALLER

For the professional installer, rapidity and safety that are needed to install Electrical Systems are primary concerns. Palazzoli provides products that easier and easier to install, Practical Guides, Electrical Engineering Books and Technical Training Courses, to put the installer in the condition of working to satisfy the customer: even the most demanding one.

RESEARCH & DEVELOPMENT

The technological development that involves the electrotechnical sector makes Palazzoli constantly dedicate to research to develop new models, more and more performing and suitable for professional installers. Every year, Palazzoli invests 30% of its invoice for research and development, in order to create specific products for Installation, ATEX Marine and Automation sectors. Important info: Palazzoli, in the last 5 years, has registered 16 patents.

REFERENCES



CEE



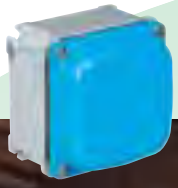
Gnutti Transfer Ospitaletto



topTER



Colombo S.P.A. Como



ALUPRES



AVANZI Wine Cellar Manerba del Garda



NAUTILUX



Theatre of Florence

REFERENCES

ULYSSE



Pio Cesare Wine Cellar

TAIS



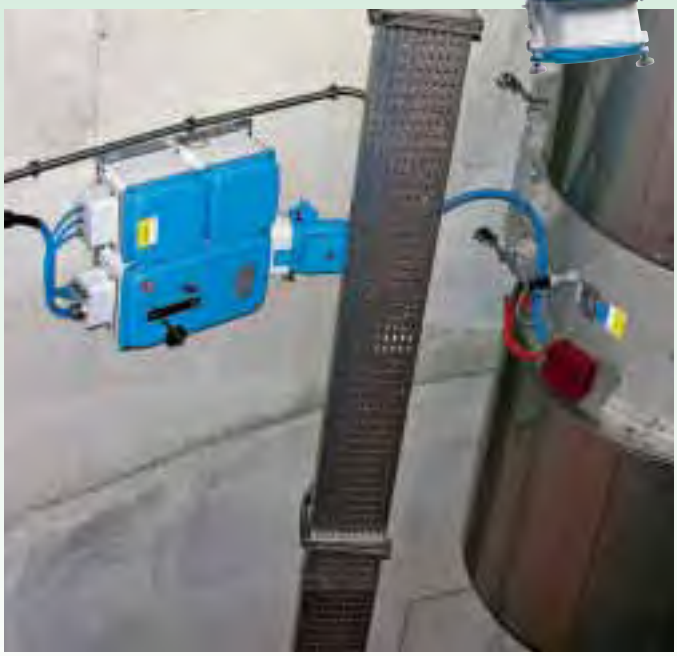
Porsche Centre Parma

B-SMART



Playa de San Juan Alicante

TUNNEL54



Croce di Casale Gallery Ascoli Piceno

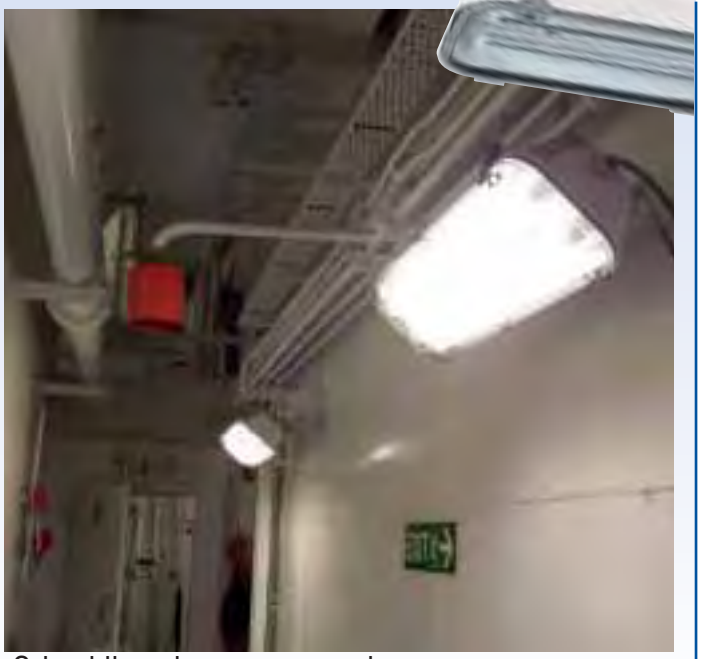
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ALUPRES



Privilege Building site Civitavecchia

RINO



Grimaldi engine room vessel

CAM



ESSELUNGA Lucca

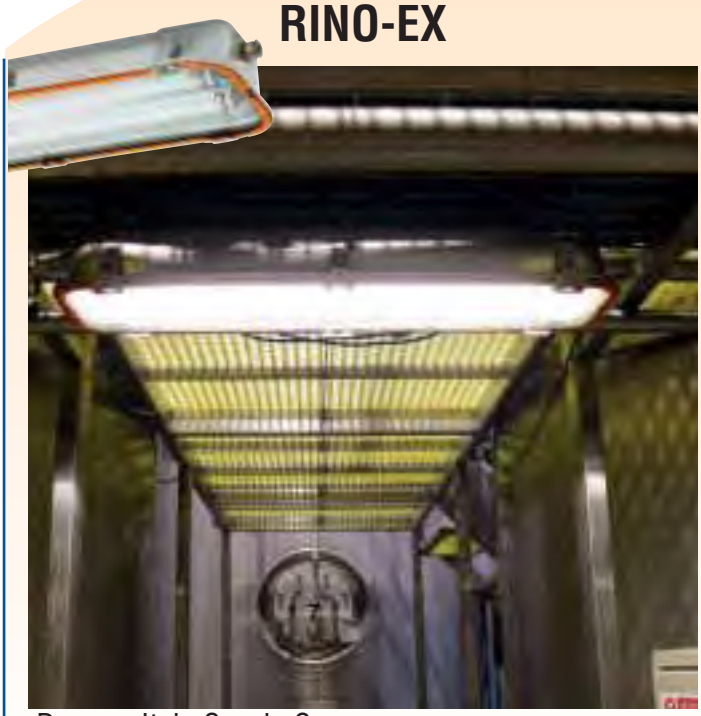
CAM-SZ



Comazoo Montichiari

REFERENCES

RINO-EX



Danone Italy Casale Cremasco

ULYSSE-EX



Bialetti Industry Coccaglio

RINO-EX



Fassa Bortolo Montichiari

CAM-EX



Carpentry G&I Salerno

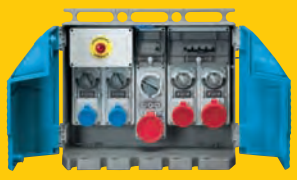
The range and its applications

SERVICE	INDUSTRIAL OUTDOOR	FIRE RISK	HEAVY INDUSTRIALE
MULTIMAX	TAIS	CEE	TAIS	ALUPRES
PRIMA	topTER	ULYSSE	TAIS	ALUPRES
topTER	TAIS TRE	TAIS TRE	ALUPRES
PH	CAM ST	TAIS	TAIS-MIGNON	RONDÒ
topTER	CAM SZ	RINO	CAM	RINO
Thermoplastic	Thermoplastic Thermosetting (GRP) Aluminium Steel	Thermosetting (GRP) Aluminium Steel	Aluminium

CONSTRUCTIONS



ENERGYBOX



ENERGYBOX



TAIS



MULTIPLAY

Thermoplastic
Thermosetting (GRP)

MARINE



NAVE



NAVE





ALUPRES



TAIS



RINO



B-SMART

Brass
Thermosetting (GRP)
Steel Aluminium

ATEX



CEE-EX



TAIS-EX



ULYSSE-EX



ALUPRES -EX



CAM -EX



RINO -EX



Thermosetting (GRP)
Aluminium
Steel

TUNNEL



CEE



TUNNEL54



TUNNEL54



TUNNEL54



TUNNEL54



Thermosetting (GRP)
Aluminium
Steel



Installation



Marine



Atex



Automation

Dealer's stamp

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