



1.4

Switchgear

■ COMMAND Series

■ ISOLATORS Series

■ TOP22 Series

 **SCAME**

1.4



SWITCHING-DISCONNECTORS UNITS

COMMAND Series

Description	Thermal current	Power dissipation per pole/contact		  		
				TYPE R (*) FRONT PANEL MTG	TYPE B (**) BOX MTG	TYPE B - BOX MTG WITH FUSE CARRIER
16A	2P	30A	0,9W	1/6	590.YA162R	590.YA162B
	3P	30A	0,9W	1/6	590.YA163R	590.YA163B
	4P	30A	0,9W	1/6	590.YA164R	590.YA164B
32A	2P	40A	1,6W	1/6	590.YA322R	590.YA322B
	3P	40A	1,6W	1/6	590.YA323R	590.YA323B
	4P	40A	1,6W	1/6	590.YA324R	590.YA324B
40A	2P	40A	-	1/6	590.YA402R	590.YA402B
	3P	40A	-	1/6	590.YA403R	590.YA403B
	4P	40A	-	1/6	590.YA404R	590.YA404B
63A	2P	63A	-	1/6	590.YA632R	590.YA632B
	3P	63A	-	1/6	590.YA633R	590.YA633B
	4P	63A	-	1/6	590.YA634R	590.YA634B
80A	2P	86A	-	1/6	590.YA802R	590.YA802B
	3P	86A	-	1/6	590.YA803R	590.YA803B
	4P	86A	-	1/6	590.YA804R	590.YA804B
100A	3P	100A	-	1/6	590.YA1003R	590.YA1003B
	4P	100A	-	1/6	590.YA1004R	590.YA1004B

(*) Suitable as spare part for the SCAME OMNIA Series interlocked-switch socket outlets.
(**) Suitable as spare part for the SCAME ISOLATORS Series and ADVANCE2 Series (only from 590.YA162B to 590.YA804B).

SINGLE JUNCTION BOX

COMMAND Series

Description	Switch disconnectors	Type	Dimension (mm)	
Suitable for	16A, 32A, 40A	ADVANCE2 Series IP65	136x150x105	576.4390
Suitable for	16A, 32A, 40A	OMNIA2 Series IP67	136x125x85	572.3390

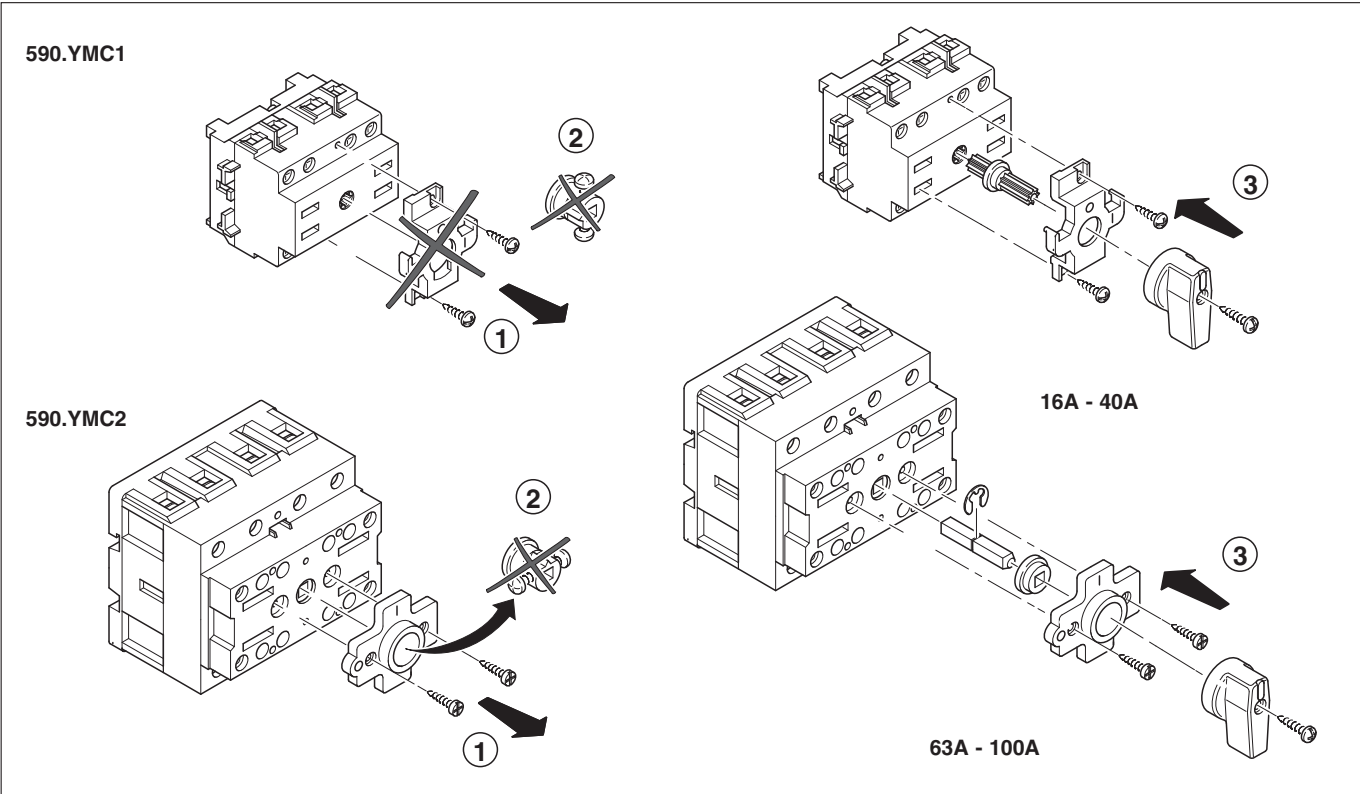
R = Front panel mounting.
B = Base mounting.

- Box provided for fitting of switch disconnectors (switching units and relevant front operators standard).

DIRECT OPERATORS

COMMAND Series

Description	Rotary switches	Colour		
Suitable for B	16A, 32A, 40A		1/10	590.YMC1
	63A, 80A, 100A		1/10	590.YMC2



FRONT OPERATORS - IP65

COMMAND Series

					67x67mm	
						
Description	Switch disconnectors	Knob	Front plate		STANDARD MTG	Ø22
Suitable for R	16A, 32A, 40A			1/10	590.YM67R1	590.YM68R1
				1/10	590.YM67R2	590.YM68R2
Suitable for B with door interlock	16A, 32A, 40A			1/10	590.YM67B1	590.YM68B1
				1/10	590.YM67B2	590.YM68B2
Suitable for R	63A, 80A 100A			1/10	590.YM67R6	
				1/10	590.YM67R7	
Suitable for B with door interlock	63A, 80A 100A			1/10	590.YM67B6	590.YM68B6
				1/10	590.YM67B7	590.YM68B7

R = Front panel mounting.
B = Base mounting.
(•) Can be padlocked (max 3 padlocks) in the "O" position (open).
- For general use and emergency switches.
- Supplied with drive extension.

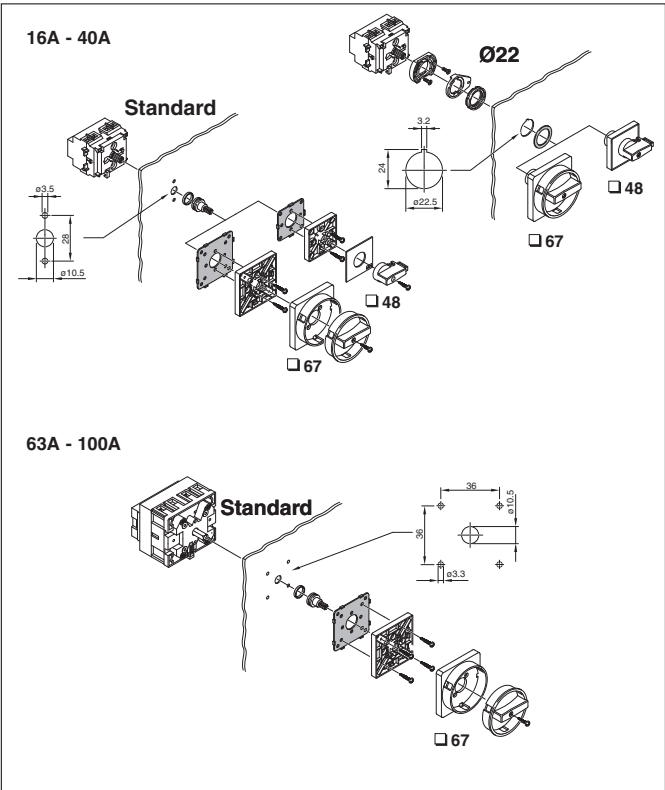
48x48mm		48x48mm		70x87mm	
					
STANDARD	Ø22	STANDARD	Ø22		
590.YM48R1	590.YM50R1	590.YM49R1	590.YM51R1	590.YM70R1	
590.YM48R2	590.YM50R2	590.YM49R2	590.YM51R2	590.YM70R2	
590.YM48B1	590.YM50B1	590.YM49B1	590.YM51B1		
590.YM48B2	590.YM50B2	590.YM49B2	590.YM51B2		
				590.YM70R6 (▲)	
				590.YM70R7 (▲)	

(▲) They can only be applied to slots that have clues for fastening encased sockets 32A.

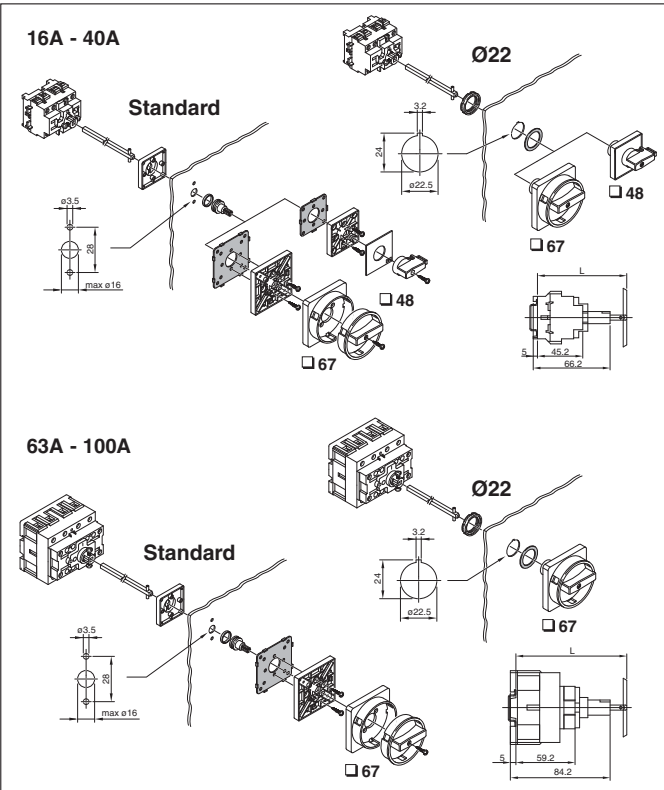
COMAND SWITCH FOR SWITCHBOARD SLOT

COMMAND Series

R: front panel mounting



B: base mounting



Rotary switches	Colour		
16A, 32A, 40A		1/10	590.YMDIN

EXTENSION BAR FOR DOOR INTERLOCK

COMMAND Series

Description	Rotary switches	Lenght	Dimensions		
Suitable for B switch disconnectors	16A, 32A, 40A	85mm	5x5mm	1/10	590.YMA085
		185mm	5x5mm	1/10	590.YMA185
		300mm	5x5mm	1/10	590.YMA300
	63A, 80A, 100A	85mm	6x6mm	1/10	590.YMB085
		185mm	6x6mm	1/10	590.YMB185
		300mm	6x6mm	1/10	590.YMB300

R = Front panel mounting.
B = Base mounting.

SURFACE MOUNTING - ENGINEERING PLASTIC VERSION

ISOLATORS Series

(▲)									
									
	Poles	Enclosure dimensions (mm)	Protection degree		GENERAL USE	EMERGENCY SWITCHING	GENERAL USE	EMERGENCY SWITCHING	GENERAL USE
16A	6	136x125x84	IP65	1/12		590.EM1606	590.GE1606		
	8					590.EM1608	590.GE1608		
20A	1	82x120x69	IP65	1/12	590.GE2021				
	2					590.EM2002	590.GE2002		
	3	136x125x84 (*)	IP65	1/12		590.EM2003	590.GE2003		
	4					590.EM2004	590.GE2004		
	2	105x150x82	IP65	1/12				590.EM2012	590.GE2012
	3							590.EM2013	590.GE2013
25A	4							590.EM2014	590.GE2014
	6	136x125x84	IP65	1/12		590.EM2506	590.GE2506		
	8					590.EM2508	590.GE2508		
	1	82x120x69	IP65	1/12	590.GE3221				
	2					590.EM3202	590.GE3202		
32A	3	136x125x84 (*)	IP65	1/12		590.EM3203	590.GE3203		
	4					590.EM3204	590.GE3204		
	6					590.EM3206	590.GE3206		
	8					590.EM3208	590.GE3208		
	2	105x150x82	IP65	1/12				590.EM3212	590.GE3212
	3							590.EM3213	590.GE3213
40A	4							590.EM3214	590.GE3214
	1	82x120x69	IP65	1/12	590.GE4021				
	2					590.EM4002	590.GE4002		
	3	136x125x84 (*)	IP65	1/12		590.EM4003	590.GE4003		
	4					590.EM4004	590.GE4004		
	6					590.EM4006	590.GE4006		
	8					590.EM4008	590.GE4008		
	2	105x150x82	IP65	1/12				590.EM4012	590.GE4012
	3							590.EM4013	590.GE4013
	4							590.EM4014	590.GE4014

(▲) Single pole switch, not suitable to receive door-locking kit.
(*) OMNIA Series enclosure.

									
	Poles	Enclosure dimensions (mm)	Protection degree		EMERGENCY SWITCHING	GENERAL USE	EMERGENCY SWITCHING	GENERAL USE	EMERGENCY SWITCHING
63A	2	210x155x107	IP65	1/5	590.EM6302	590.GE6302			
	3				590.EM6303	590.GE6303			
	4				590.EM6304	590.GE6304			
	6				590.EM6306	590.GE6306			
80A	8	210x155x107	IP65	1/5	590.EM6308	590.GE6308			
	2				590.EM8002	590.GE8002			
	3				590.EM8003	590.GE8003			
	4				590.EM8004	590.GE8004			
100A	6	210x155x107	IP65	1/5	590.EM8006	590.GE8006			
	8				590.EM8008	590.GE8008			
	3				590.EM10003	590.GE10003			
	4				590.EM10004	590.GE10004			
125A	6	308x228x128	IP55	1/5	590.EM10006	590.GE10006			
	8				590.EM10008	590.GE10008			
	3						590.EM12503	590.GE12503	
	4						590.EM12504	590.GE12504	
160A	6	338x308x128	IP55	1/5			590.EM12506	590.GE12506	
	8						590.EM12508	590.GE12508	
	3						590.EM16003	590.GE16003	
	4						590.EM16004	590.GE16004	
63A	6						590.EM16006	590.GE16006	
	8						590.EM16008	590.GE16008	

SURFACE MOUNTING - ENGINEERING PLASTIC VERSION - DIRECT CURRENT

ISOLATORS Series

20A	800V	dc					590.DCEM0820	590.DCGE0820	
	1000V	dc					590.DCEM1020	590.DCGE1020	
25A	800V	dc					590.DCEM0825	590.DCGE0825	
	800V	dc					590.DCEM0830	590.DCGE0830	
30A	1000V	dc					590.DCEM1030	590.DCGE1030	
	800V	dc					590.DCEM0840	590.DCGE0840	
63A	1000V	dc					590.DCEM1063	590.DCGE1063	

SURFACE MOUNTING - METAL VERSION

ISOLATORS Series

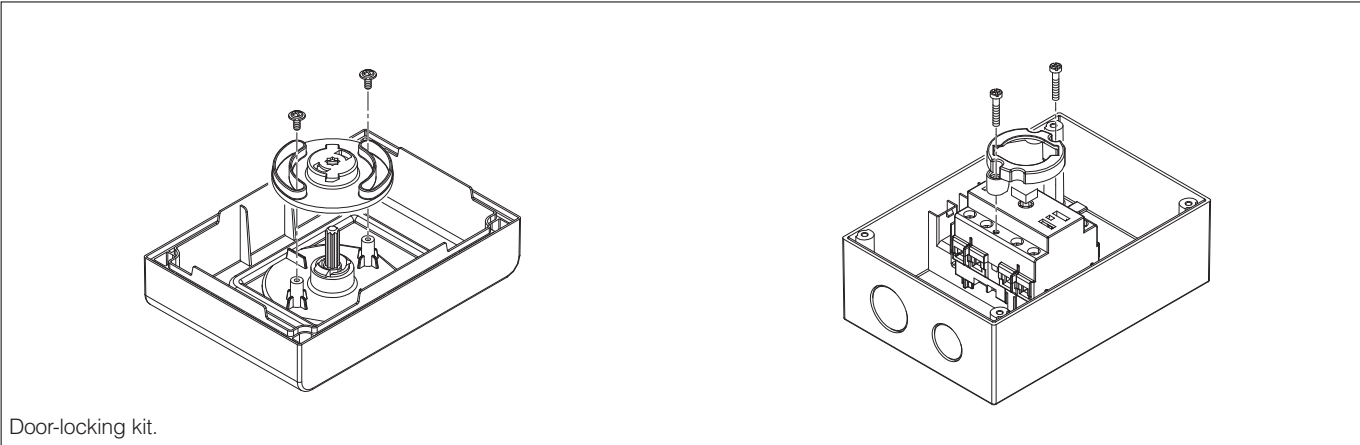
								
	Poles	Enclosure dimensions (mm)	Protection degree		EMERGENCY SWITCHING 	GENERAL USE 	EMERGENCY SWITCHING 	GENERAL USE 
16A	6	105x150x82	IP65	1/12	590.HEM1606	590.HGE1606		
	8				590.HEM1608	590.HGE1608		
20A	2	105x150x82	IP65	1/12	590.HEM2002	590.HGE2002		
	3				590.HEM2003	590.HGE2003		
	4				590.HEM2004	590.HGE2004		
25A	6	105x150x82	IP65	1/12	590.HEM2506	590.HGE2506		
	8				590.HEM2508	590.HGE2508		
32A	2	105x150x82	IP65	1/12	590.HEM3202	590.HGE3202		
	3				590.HEM3203	590.HGE3203		
	4				590.HEM3204	590.HGE3204		
	6				590.HEM3206	590.HGE3206		
	8				590.HEM3208	590.HGE3208		
40A	2	105x150x82	IP65	1/12	590.HEM4002	590.HGE4002		
	3				590.HEM4003	590.HGE4003		
	4				590.HEM4004	590.HGE4004		
	6				590.HEM4006	590.HGE4006		
	8				590.HEM4008	590.HGE4008		
63A	2	150x210x106	IP65	1/5			590.HEM6302	590.HGE6302
	3						590.HEM6303	590.HGE6303
	4						590.HEM6304	590.HGE6304
	6						590.HEM6306	590.HGE6306
	8						590.HEM6308	590.HGE6308
80A	2	150x210x106	IP65	1/5			590.HEM8002	590.HGE8002
	3						590.HEM8003	590.HGE8003
	4						590.HEM8004	590.HGE8004
	6						590.HEM8006	590.HGE8006
	8						590.HEM8008	590.HGE8008
100A	3	150x210x106	IP65	1/5			590.HEM10003	590.HGE10003
	4						590.HEM10004	590.HGE10004
	6						590.HEM10006	590.HGE10006
	8						590.HEM10008	590.HGE10008

	Poles	Enclosure dimensions (mm)	Protection degree	□	EMERGENCY SWITCHING		GENERAL USE	
					590.HEM12503	590.HGE12503	590.HEM12504	590.HGE12504
125A	3	315x264x122	IP65	1/5	590.HEM12506	590.HGE12506	590.HEM12508	590.HGE12508
	4							
160A	6	410x315x150	IP65	1	590.HEM16003	590.HGE16003	590.HEM16004	590.HGE16004
	8							
	2				590.HEM16006	590.HGE16006	590.HEM16008	590.HGE16008
	3							

DOOR-LOCKING KIT

ISOLATORS Series

Description	Rotary switches	□	590.BK040
Suitable for engineering plastic enclosure	20A, 32A, 40A	1/12	590.BK080
	63A, 80A	1/5	
Suitable for metal enclosure	20A, 32A, 40A	1/12	590.BK040H
	63A, 80A	1/5	



Door-locking kit.

SURFACE MOUNTING - ENGINEERING PLASTIC VERSION - ATEX

ISOLATORS-EX Series



	Poles	Enclosure dimensions (mm)	Protection degree		EMERGENCY SWITCHING		GENERAL USE	
					590.XEM	590.XGE	590.XEM	590.XGE
20A	2	115x190x128	IP66	1/12	590.XEM2002	590.XGE2002		
	3				590.XEM2003	590.XGE2002		
	4				590.XEM2004	590.XGE2004		
32A	2	115x190x128	IP66	1/12	590.XEM3202	590.XGE3202		
	3				590.XEM3203	590.XGE3203		
	4				590.XEM3204	590.XGE3204		
40A	2	115x190x128	IP66	1/12	590.XEM4002	590.XGE4002		
	3				590.XEM4003	590.XGE4003		
	4				590.XEM4004	590.XGE4004		

SURFACE MOUNTING - METAL VERSION - ATEX

ISOLATORS-EX Series



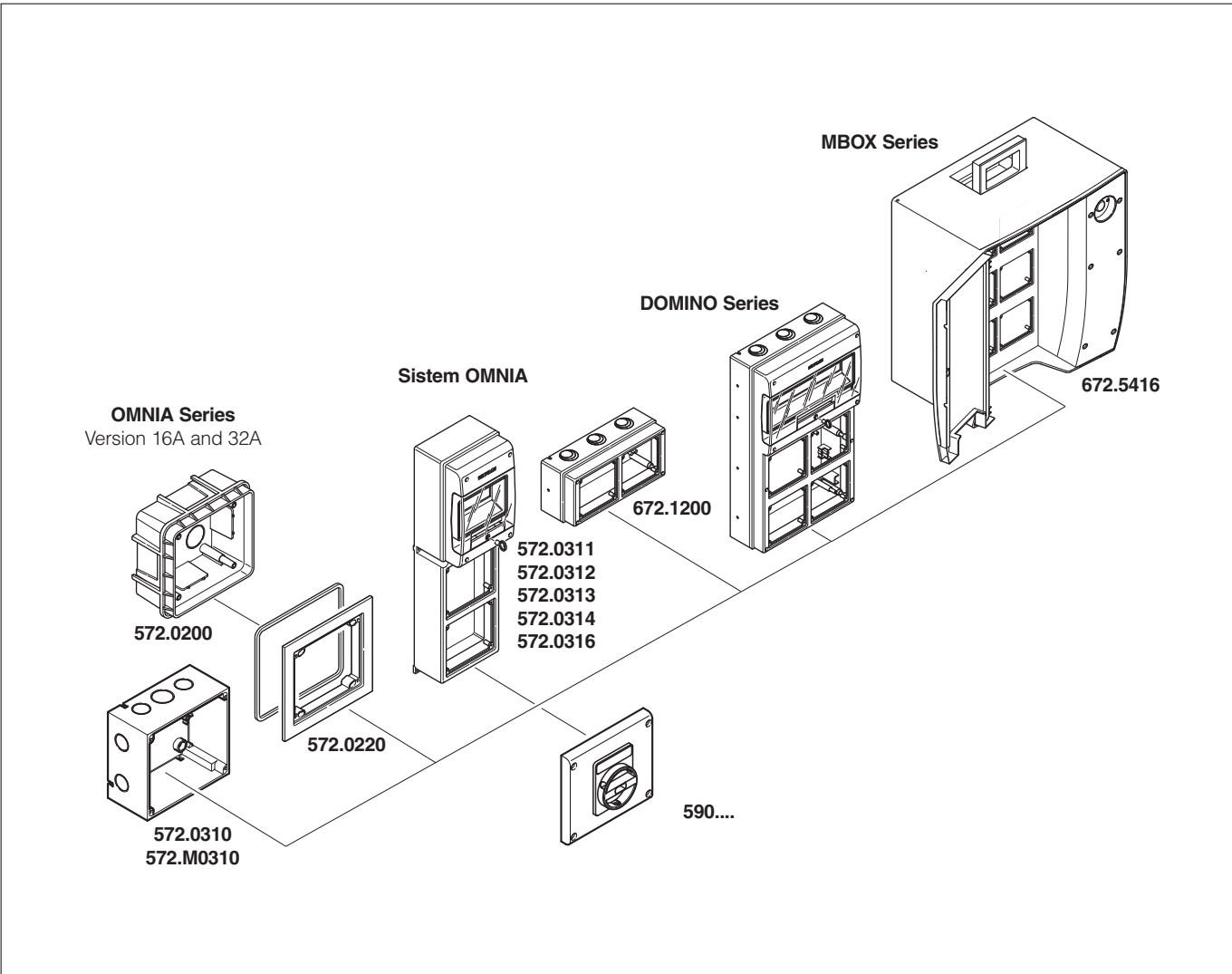
	Poles	Enclosure dimensions (mm)	Protection degree		EMERGENCY SWITCHING		GENERAL USE	
					590.XHEM	590.XHGE	590.XHEM	590.XHGE
20A	2	105x150x82	IP65	1/12	590.XHEM2002	590.XHGE2002		
	3				590.XHEM2003	590.XHGE2003		
	4				590.XHEM2004	590.XHGE2004		
32A	2	105x150x82	IP65	1/12	590.XHEM3202	590.XHGE3202		
	3				590.XHEM3203	590.XHGE3203		
	4				590.XHEM3204	590.XHGE3204		
40A	2	105x150x82	IP65	1/12	590.XHEM4002	590.XHGE4002		
	3				590.XHEM4003	590.XHGE4003		
	4				590.XHEM4004	590.XHGE4004		
63A	2	150x210x106	IP65	1/5	590.XHEM6302	590.XHGE6302		
	3				590.XHEM6303	590.XHGE6303		
	4				590.XHEM6304	590.XHGE6304		

SURFACE MOUNTING - ENGINEERING PLASTIC VERSION

ISOLATORS Series



	Poles	Enclosure dimensions (mm)	Protection degree		EMERGENCY SWITCHING		GENERAL USE	
					590.ER	590.GR	590.ER	590.GR
20A	2	136x125	IP65	1/12	590.ER2002	590.GR2002		
	3				590.ER2003	590.GR2003		
	4				590.ER2004	590.GR2004		
32A	2	136x125	IP65	1/12	590.ER3202	590.GR3202		
	3				590.ER3203	590.GR3203		
	4				590.ER3204	590.GR3204		



Ø22mm PUSH BUTTONS

TOP22 Series



Description	Colour		
Flush button		10	590.PPRN1
		10	590.PPRN2
		10	590.PPRN5
		10	590.PPRN8
Protruding button		10	590.PPSN1
		10	590.PPSN8
Illuminated flush button		10	590.PPRL2
		10	590.PPRL5

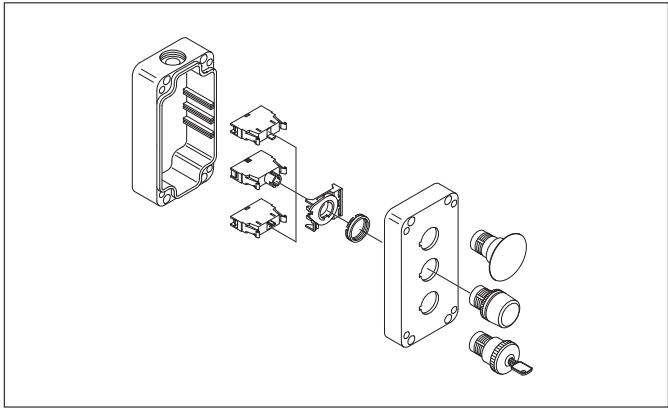
- Fixing by metal ring nut-hole diameter 22mm.
- Provided with contact carrier base plate.
- Clamping of the baseplate to the equipment by swing lever.

MUSHROOM-HEAD EMERGENCY PUSH BUTTONS

TOP22 Series



Description	Mushroom-head diameter (mm)	Colour	
Release by key	Ø40		10
Without (temporary) locking	Ø40		10
Release by rotation	Ø40		10
Release by rotation	Ø60		10



Assembling of the Ø22 unit on suitable panelboards.

LEVER SELECTORS

TOP22 Series



Description	Rotation angle	Colour	
2 steady positions	90°		10
3 steady positions	2x90°		10
2 pulse positions	60°		10
3 pulse positions	2x60°		10

KEY SELECTORS

TOP22 Series



Description	Rotation angle	Colour	
2 steady positions	90°		10
3 steady positions	2x90°		10

- Key drawing when on "zero" position.

ENBLOC PILOT LAMPS

TOP22 Series



Description	Bulb coupling	Colour		
Pilot lamp	Ø22	E10		

- Electric bulb not included. - Max 2W bulbs.
- Maximum power supply voltage 250V~.

AUXILIARY CONTACT

TOP22 Series



Description		
NC contact	10	590.PL004001
NA contact	10	590.PL004002
Power supply unit for pilot lamp (*)	10	590.PL004007

NO= normally open. - Snap catch.
NC= normally closed. - The contacts may also be used as auxiliary equipments for SCAME
(*) Maximum direct power supply 250V with max 2W bulbs. operation switch disconnectors 16A, 20A and 32A.

ACCESSORIES

TOP22 Series



Description			
Black cap for Ø 22mm holes	10	590.PTRN8	
Black holder for rectangular labels	10	590.PPTN8	
Rectangular blank label	10		590.PTA00



Description			
Ø 60mm yellow emergency marker	10	590.PTE/I	
Pin wrench for ring nuts and bulb drawing	10		590.PCF



Description	Colour		
Plate for panel cut-out for TOP22 Series components	1 gang		25 654.0101
	1 gang		25 654.0101Y
	2 gang		25 654.0102

- With gasket for IP66.

ENCLOSURES - IP65

TOP22 Series

Description	Cable entry			
1 gang	M16 - M20	1/12	590.PR01K	
2 gang	2xM20	1/10	590.PR02K	
3 gang	2xM20	1/10	590.PR03K	
- Empty enclosures for Auxiliary control equipment.				

COMPLETE PUSH-BUTTON PANEL - IP65

TOP22 Series

Description	Contact	Cable entry		
1 gang 1 black push button	1NA	M16 - M20	12	590.PR01RN8
2 gang 1 green flush button (star) 1 red flush button (stop)	1NA 1NC	2xM20	10	590.PR02A
3 gang 1 green flush button (star) 1 red flush button (stop) 1 red indicator lamp (indicator)	1NA 1NC	2xM20	10	590.PR03A

NO= normally open.
NC= normally closed.
- Enclosures complete with control and indicator lamp.

EMERGENCY - IP65

TOP22 Series

Description	Mushroom-head (mm)	Cable entry		
1 gang - twist release with indicator	Ø40	M16 - M20	12	590.PR01R4S
1 gang - key release	Ø40	M16 - M20	12	590.PR01C4N

Description	Mushroom-head (mm)	Cable entry		
1 gang - twist release	Ø40	M16 - M20	12	590.PR01R4N
	Ø60	M16 - M20	12	590.PR01R6N
1 gang - momentary (•)	Ø90	M20	12	590.PG1M9W01

- Mushroom push-buttons for emergency stop.
- Supplied with 1 NC contact block.
(•) Spring terminals.