

CATALOGO GENERALE GENERAL CATALOGUE

2009



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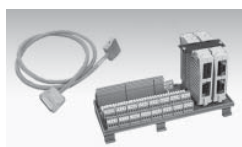
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1 - Alimentatori

1 - Power Supply



Alimentatori e Raddrizzatori Monofase Livellati
Single Phase Unregulated Power Supplies and Rectifiers

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Alimentatori Trifase Livellati
Three Phase Unregulated Power Supplies

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Alimentatori Stabilizzati 0,5 A - 1,5 A / Duale 0,75 A
0,75 A Dual / 0,5 A - 1,5 A Regulated Power Supplies

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Raddrizzatori Stabilizzati 2...20 A
2...20 A Regulated Rectifiers

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Alimentatori Monofase Stabilizzati 3...20 A
3...20 A Single Phase Regulated Power Supplies

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Alimentatori Switching Monofase
Single Phase Switching Power Supplies

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Alimentatori Switching Trifase
Three Phase Switching Power Supplies

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Switching Singola Uscita 20...60 W DIN RAIL
Switching Single Output 20...60 W DIN RAIL

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Switching Singola Uscita 45...480 W DIN RAIL
Switching Single Output 45...480 W DIN RAIL

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Switching Trifase Singola Uscita 120...960 W DIN RAIL
Switching Three Phase Single Output 120...960 W DIN RAIL

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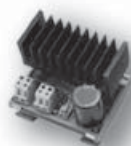




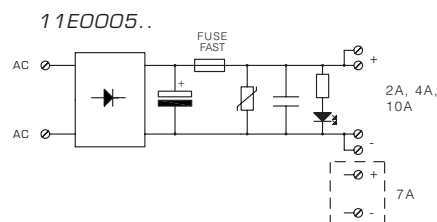
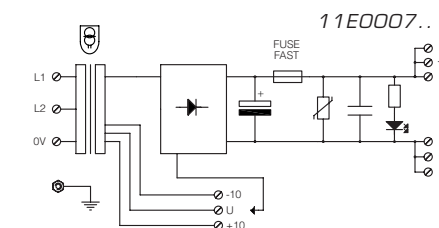
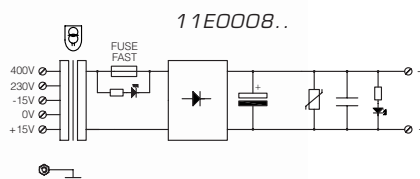
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**Dati tecnici****Specifications****Alimentatori / Power Supply****Raddrizzatori / Rectifiers**

Tensione di ingresso	Input voltage	230-400 Vac $\pm$ 10%	9 ... 24 Vac $\pm$ 5%
Tensione di uscita	Output voltage	24 Vdc $\pm$ 10%	Vedi tabella 1 - See table 1
Corrente di uscita	Output current	2...15 A	2...10 A
Potenza assorbita	Absorbed power	45...400 VA	/
Frequenza di lavoro	Frequency	47...63 Hz	47...63 Hz
Ondulazione residua	Ripple	3 Vpp	< 10%
Protezioni	Protection	Fusibile, Varistore - Fuse, Varistor	Fusibile, Varistore - Fuse, Varistor
Temperatura di funzionamento	Operating temperature	0...50° C	0...50° C
Grado di protezione	Enclosure	IP20	IP00
Tensione di prova	Proof voltage	4 KV	/
Allacciamento	Connection	Morsetti a vite - Screw terminal blocks	Morsetti a vite - Screw terminal blocks
Montaggio	Mounting	/	a scatto su profilo / Snap-in mounting on DIN TS32 / TS35
Posizione raccomandata	Mounting facility	Verticale - Vertical	Verticale - Vertical

Alimentatori / Power Supply

Tipo Type	Codice Code	Uscita Output	Alimentazione Power Supply	Fusibile Fuse	Dim. LxBxH [mm]	Peso Weight	Dima D1 D2
EAGML0324/230-400	11E000701	24 V 3 A	230-400 Vac 65 VA	4 A	70x120x135	2 Kg	55 103
EAGML0724/230-400	11E000702	24 V 7 A	230-400 Vac 150 VA	10 A	80x130x170	3,5 Kg	65 113
EAGML1224/230-400	11E000703	24 V 12 A	230-400 Vac 270 VA	16 A	140x120x180	5 Kg	100 120
EAGML1524/230-400	11E000704	24 V 15 A	230-400 Vac 400 VA	20 A	140x120x195	7 Kg	100 120
EALM0224/230-400	11E000801	24 V 2 A	230-400 Vac 45 VA	3,15 A	70x120x135	2,5 Kg	55 105
EALM0524/230-400	11E000802	24 V 5 A	230-400 Vac 105 VA	6,3 A	70x120x135	2,5 Kg	55 105
EALM1024/230-400	11E000803	24 V 10 A	230-400 Vac 210 VA	12 A	100x150x150	5,3 Kg	80 135

Raddrizzatori / Rectifiers

Tipo Type	Codice Code	Uscita Output	Fusibile Fuse	Dim. LxBxH [mm]	Peso Weight
EMALM02	11E000500	2 A	3,15 A	53x82x65	0,2 Kg
EMALM07	11E000501	7 A	10 A	102x82x90	0,4 Kg
EMALM10	11E000510	10 A	16 A	102x82x90	0,4 Kg

Tabella 1 / Table 1

Dati Uscita**Output specifications**

Tensione (a vuoto)	Voltage (0 load)	$V_{out} = (V_{in} \times 1,41) - 1,2$
Tensione (con carico al 50%)	Voltage (50% load)	$V_{out} = (V_{in} \times 1,41) - 3,6$
Tensione (con carico al 100%)	Voltage (100% load)	$V_{out} = (V_{in} \times 1,41) - 4,8$

Note

- Per l'uso a pieno carico degli alimentatori si consiglia di servirsi di più morsetti d'uscita.

Notes

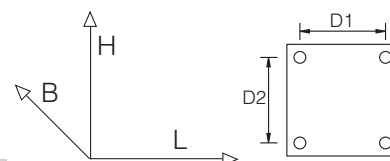
- For use the power supplies at full load to make use more output terminal blocks.

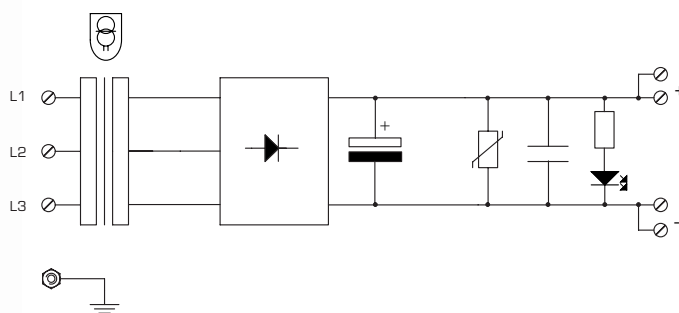
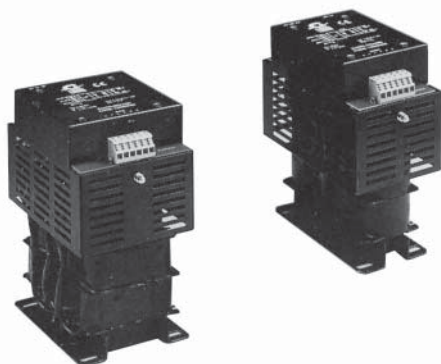
Note Raddrizzatori

- Questi prodotti sono adatti per alimentare carichi quali relè, contattori, elettrovalvole.
Non sono adatti per carichi elettronici come convertitori o PLC.

Rectifiers Notes

- These units are suitable for loads such as relays, contactors, solenoid valves.
Not suitable to feed electronic loads as converters and PLC's.



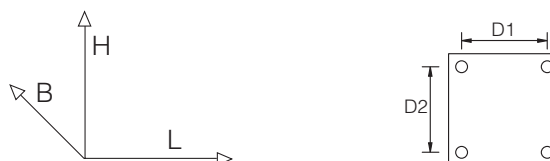
**Dati tecnici****Specifications**

Tensione di ingresso	Input voltage	400 Vac $\pm$ 10%
Tensione di uscita	Output voltage	24 Vdc $\pm$ 10%
Corrente di uscita	Output current	20...50 A
Potenza assorbita	Absorbed power	700...1700 VA
Frequenza di lavoro	Frequency	47...63 Hz
Ondulazione residua	Ripple	1,5 Vpp
Protezioni	Protection	Varistore - Varistor
Temperatura di funzionamento	Operating temperature	0...50° C
Grado di protezione	Enclosure	IP20
Tensione di prova	Proof voltage	4 KV
Allacciamento	Connection	Morsetti a vite - Screw terminal blocks
Posizione raccomandata	Mounting facility	Verticale - Vertical

Tipo Type	Codice Code	Uscita Output	Alimentazione Power Supply	Dim. LxBxH [mm]	Peso Weight	Dima D1 D2	
EAGTL2024/400	11E000402	24 V 20 A	400 Vac 700 VA	120x220x250	11 Kg	85	150
EAGTL3024/400	11E000403	24 V 30 A	400 Vac 1000 VA	140x220x270	15 Kg	105	150
EAGTL4024/400	11E000404	24 V 40 A	400 Vac 1400 VA	140x220x270	16 Kg	105	150
EAGTL5024/400	11E000405	24 V 50 A	400 Vac 1700 VA	250x220x300	24 Kg	218	170

Per ulteriori tensioni di alimentazione consultate il listino prezzi.

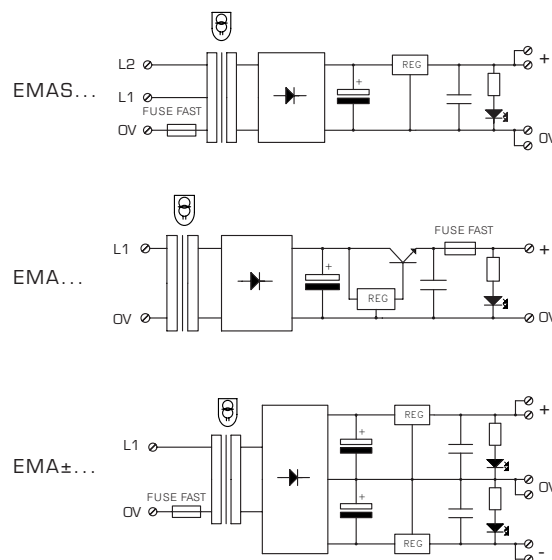
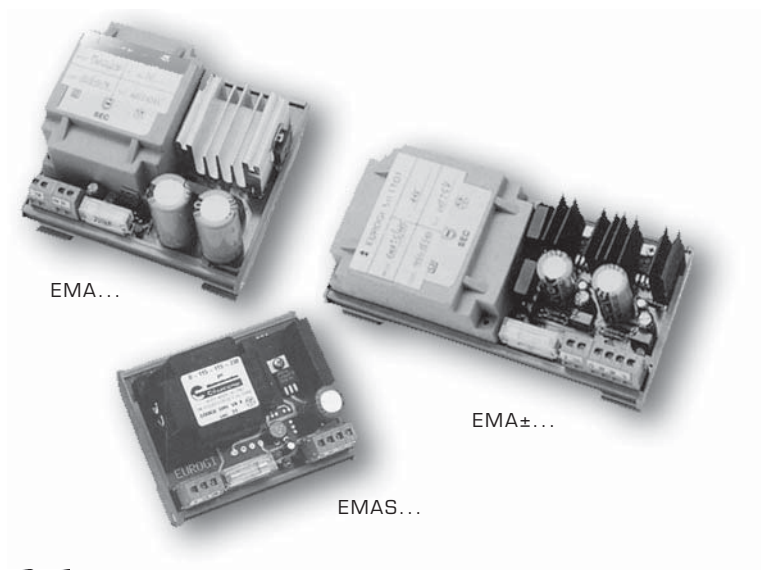
For further supply voltages please consult the vendorlist.

**Note**

- Per l'uso a pieno carico degli alimentatori si consiglia di servirsi di più morsetti d'uscita.

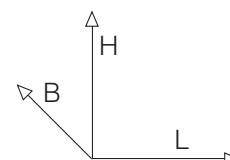
Notes

- For use the power supplies at full load to make use more output terminal blocks.



Dati tecnici	Specifications	EMAS...	EMA±...	EMA...
Tensione di ingresso	Input voltage	115- 230 Vac $\pm$ 10%	230 Vac $\pm$ 10%	230 Vac $\pm$ 10%
Tensione di uscita	Output voltage	5...24 Vdc $\pm$ 0,1%	$\pm$ 10...15 Vdc $\pm$ 0,1%	5...24 Vdc $\pm$ 0,1%
Corrente di uscita	Output current	0,5 A	0,75 A	1,5 A
Potenza assorbita	Absorbed power	10 - 20 VA	32 VA	32 - 52 VA
Frequenza di lavoro	Frequency		47...63 Hz	
Ondulazione residua	Ripple	10 mVpp	10 mVpp	30 mVpp
Protezioni	Protection	Elettronica, Fus.-Electronic, Fuse	Elettronica, Fus.-Electronic, Fuse	Fusibile - Fuse
Temperatura di funzionamento	Operating temperature		0...50° C	
Grado di protezione	Enclosure		IP00	
Tensione di prova	Proof voltage		2 KV	
Allacciamento	Connection		Morsetti a vite - Screw terminal blocks	
Montaggio	Mounting		a scatto su profilo / Snap-in mounting on DIN TS32 / TS35	

Tipo Type	Codice Code	Uscita Output	Alimentazione Power Supply	Fusibile Fuse	Dim. LxBxH (mm)	Peso Weight
EMAS05R/115-230	11E016571	5 V 0,5 A	115-230 Vac 10 VA	500 mA	77x82x70	0,5 Kg
EMAS10R/115-230	11E016579	10 V 0,5 A	115-230 Vac 10 VA	500 mA	77x82x70	0,5 Kg
EMAS12/115-230	11E016573	12 V 0,5 A	115-230 Vac 10 VA	500 mA	77x82x70	0,5 Kg
EMAS24/115-230	11E016577	24 V 0,5 A	115-230 Vac 20 VA	500 mA	100x82x80	0,5 Kg
EMA±10/230	11E016519	$\pm$ 10 V 0,75 A	230 Vac 32 VA	500 mA	162x82x65	1 Kg
EMA±15/230	11E016515	$\pm$ 15 V 0,75 A	230 Vac 32 VA	500 mA	162x82x65	1 Kg
EMA5/230	11E016499	5 V 1,5 A	230 Vac 32 VA	2 A	127x118x70	1 Kg
EMA10/230	11E016497	10 V 1,5 A	230 Vac 32 VA	2 A	127x118x70	1 Kg
EMA12/230	11E016503	12 V 1,5 A	230 Vac 32 VA	2 A	127x118x70	1 Kg
EMA15/230	11E016505	15 V 1,5 A	230 Vac 32 VA	2 A	127x118x70	1 Kg
EMA24/230	11E016507	24 V 1,5 A	230 Vac 52 VA	2 A	127x118x70	1,3 Kg



EMAS...



EMA...



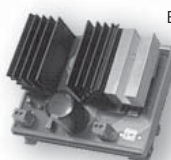
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EMAS.../C



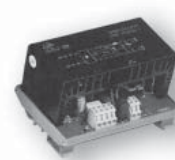
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EAR10/24



EASW10.../C

EN55011/B
EN50082-2

Dati tecnici

Specifications

EMAS...

EMA... / EAR...

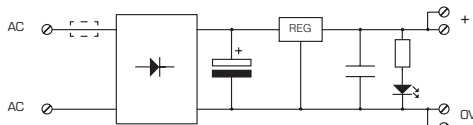
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Tensione di ingresso	Input voltage	8,5...25 Vac	9,5...25 Vac	23...25 Vac
Tensione di uscita	Output voltage	5...24 Vdc $\pm$ 0,1%	5...24 Vdc $\pm$ 0,1%	24 Vdc $\pm$ 0,1%
Corrente di uscita	Output current	0,5 A	2...10 A	4 - 10 A
Frequenza di lavoro	Frequency	47...63 Hz	47...63 Hz	47...63 Hz
Ondulazione residua	Ripple	10 mVpp	20 mVpp	100 mVpp
Protezioni	Protection	Elettronica - Electronic	Elettronica - Electronic	Elettronica, Fusibile - Electronic, Fuse
Temperatura di funzionamento	Operating temperature	0...50° C	0...50° C	0...50° C
Grado di protezione	Enclosure	IP00, IP20	IP00, IP20	IP00
Allacciamento	Connection	Morsetti a vite o estraibili	Morsetti a vite	Morsetti a vite
Posizione raccomandata	Mounting facility	Verticale - Vertical	Verticale - Vertical	Verticale - Vertical

Tipo Type	Codice Code	Uscita Output	Alimentazione Power Supply		Alimentazione Power Supply		Dim. LxBxH (mm)	Peso Weight	Dima D1 D2	
			Min	Max	Vin	Iout				
EMAS05/24AC	11E016566	5 V 500mA	8,5 Vac	11 Vac	24 Vdc	100 mA	47x82x50	0,2 Kg		
EMAS10/24AC	11E016565	10 V 500mA	12 Vac	14 Vac	24 Vdc	120 mA	47x82x50	0,2 Kg		
EMAS12/24AC	11E016567	12 V 500mA	13,5 Vac	16 Vac	24 Vdc	130 mA	47x82x50	0,2 Kg		
EMAS24/24AC	11E016569	24 V 500mA	23 Vac	25 Vac	24 Vdc	130 mA	47x82x50	0,2 Kg		
EMAS05/24AC/C	11E016400	5 V 500mA	8,5 Vac	11 Vac	24 Vdc	100 mA	22,5x82x90	0,2 Kg		
EMAS10/24AC/C	11E016401	10 V 500mA	12 Vac	14 Vac	24 Vdc	120 mA	22,5x82x90	0,2 Kg		
EMAS12/24AC/C	11E016402	12 V 500mA	13,5 Vac	16 Vac	24 Vdc	130 mA	22,5x82x90	0,2 Kg		
EMA2/24	11E016581	24 V 2 A	23 Vac	25 Vac			100x82x65	0,4 Kg		
EMA3/5	11E016585	5 V 3 A	9,5 Vac	11,5 Vac	24 Vdc	0,8 A	100x82x65	0,4 Kg		
EMA3/10	11E016586	10 V 3 A	13 Vac	15 Vac	24 Vdc	1,5 A	100x82x65	0,4 Kg		
EMA3/12	11E016587	12 V 3 A	14,5 Vac	17 Vac	24 Vdc	1,8 A	100x82x65	0,4 Kg		
EMA3/24	11E016589	24 V 3 A	23 Vac	25 Vac			100x82x65	0,4 Kg		
EAR3/24	11E016550	24 V 5 A	23 Vac	25 Vac			147x118x78	0,6 Kg		
EAR10/24 *	11E016559	24 V 10 A	23 Vac	25 Vac			130x180x85	1,2 Kg	118	157

Switching

Tipo Type	Codice Code	Uscita Output	Alimentazione Power Supply		Dim. LxBxH (mm)	Peso Weight
			Min	Max		
EASW0424/24	11E003199	24 V 4 A	23 Vac	25 Vac	100x82x60	0,3 Kg
EASW0424/24/C	11E003195	24 V 4 A	23 Vac	25 Vac	45x120x101	0,3 Kg
EASW1024/24/C **	11E003201	24 V 10 A	23 Vac	25 Vac	181x118x98	0,7 Kg



I moduli EMAS... EMA2/... EMA3/... EAR3/... EASW... sono adatti per il montaggio a scatto su profilo DIN TS32 TS35.

* Il modulo EAR10/24 è adatto per il montaggio su pannello.

** Modello con calotta.

The modules EMAS... EMA2/... EMA3/... EAR3/... EASW... are suitable for snap-in mounting on DIN TS32 TS35 channelling.

* The module EAR10/24 is suitable for panel mounting.

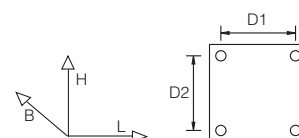
** Version with cap.

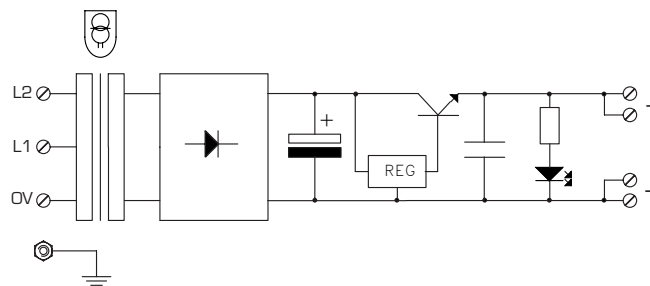
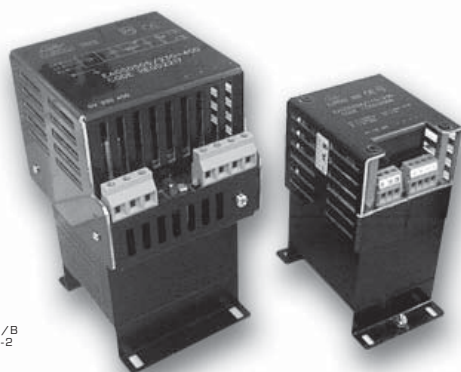
Note

- Per l'uso a pieno carico degli alimentatori si consiglia di servirsi di più morsetti d'uscita.

Notes

- For use the power supplies at full load to make use more output terminal blocks.



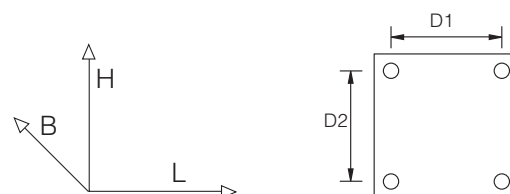
**Dati tecnici****Specifications**

Tensione di ingresso	Input voltage	230-400 Vac $\pm$ 10%
Tensione di uscita	Output voltage	24 Vdc $\pm$ 0,1%
Corrente di uscita	Output current	3...20 A
Potenza assorbita	Absorbed power	90...500 VA
Frequenza di lavoro	Frequency	47...63 Hz
Ondulazione residua	Ripple	20 mVpp
Protezioni	Protection	Elettronica - Electronic
Temperatura di funzionamento	Operating Temperature	0...50° C
Grado di protezione	Enclosure	IP20
Tensione di prova	Proof voltage	4 KV
Allacciamento	Connection	Morsetti a vite - Screw terminal blocks
Posizione raccomandata	Mounting facility	Verticale - Vertical

Tipo Type	Codice Code	Uscita Output	Alimentazione Power Supply	Dim. LxBxH (mm)	Peso Weight	Dima D1 D2
EAGS0324/115-230	11E016598	24 V 3 A	115-230 Vac 90 VA	70x120x150	2,5 Kg	55 103
EAGS0324/230-400	11E016599	24 V 3 A	230-400 Vac 90 VA	70x120x150	2,5 Kg	55 103
EAGS0524/230-400	11E002200	24 V 5 A	230-400 Vac 150 VA	110x130x195	4,3 Kg	80 95
EAGS1024/230-400	11E002201	24 V 10 A	230-400 Vac 300 VA	110x180x195	6,5 Kg	80 160
EAGS2024/230-400 *	11E002261	24 V 20 A	230-400 Vac 500 VA	110x205x210	8 Kg	80 160

* Modello con Ventilatore.

* Version with Fan.

**Note**

- Per l'uso a pieno carico degli alimentatori si consiglia di servirsi di più morsetti d'uscita.

Notes

- For use the power supplies at full load to make use more output terminal blocks.



5 A



5 A

Tipo	Type		
Codice	Code	EASWMR0524/105÷250	
Caratteristiche d'ingresso	Input characteristics	11E003241	
Tensione d'ingresso	Input voltage range	94...265 Vac 47...63 Hz	
Corrente d'ingresso	Nominal input current	1,23 A at 230 Vac	
Corrente all'inserzione	Peak inrush current	< 30 A	
Protezione	Protection	1,5 AT	
Caratteristiche uscita	Output characteristics		
Tensione d'uscita	Output voltage	24 Vdc ± 1%	
Regolazione d'uscita	Output regulation	22,5...27,5 Vdc	
Massima corrente	Max current	5 A	
Ondulazione residua	Ripple	< 100 mV	
Rendimento	Efficiency	86%	
Parallelabile	Parallel operation	Si - Yes	
Protezione	Protection		
Corto circuito, Sovraccarico	Short circuit, Overload	Si - Yes	
Norme	Norms		
Sicurezza	Electrical safety	EN60950	
Classe di Protezione	Class of protection	I	
Grado di protezione	Enclosure	IP20	
Norma CE	CE norm	EN55011/B EN50082-2 EN61000-3-2	
Approvazioni	Approvals	LGA - CUR - CUL - CSA	
Temperatura di funzionamento	Operating temperature	-10...70° C	
Temperatura di stoccaggio	Storage temperature	-25...85° C	
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]	147 x 86 x 123	
Peso	Weight	0,8 Kg	
Montaggio	Mounting	Su guida - On bar DIN EN 50022-35	
Allacciamento	Connection	Morsetti - Terminal blocks	



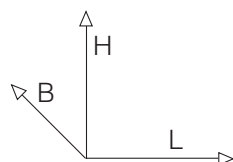
10 A



10 A

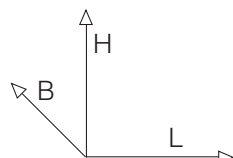


10 A



EASWCM0524/115/230	EASWCM1024/230/400	EASWMR1024/230	EASWCM1024/110/230
11E003245	11E003243	11E003242	11E003246
93...132 Vac, 187...265 Vac 47...63 Hz	195...500 Vac 47...63 Hz	195...265 Vac 47...63 Hz	93...132 Vac, 187...265 Vac 47...63 Hz
0,9 A at 230 Vac - 2,2 at 115 Vac	1 A at 400 Vac	2,2 A at 230 Vac	0,9 A at 230 Vac - 2,2 at 115 Vac
< 30 A	< 50 A	< 30 A	< 30 A
1,5 AT	3,15 AT	2 AT	2 AT
24 Vdc $\pm$ 1%			
22...30 Vdc	23...30 Vdc	22,5...27,5 Vdc	22...30 Vdc
5 A	10 A	10 A	10 A
< 50 mV	< 50 mV	< 100 mV	< 50 mV
89%	89%	89%	90%
Si - Yes	Si - Yes	Si - Yes	Si - Yes
Si - Yes			
EN60950			
IP20	IP20	IP20	IP20
EN55011/B EN50082-2 EN61000-3-2	EN55011/B EN50082-2 EN61000-3-2	EN55011/B EN50082-2	EN55011/B EN50082-2 EN61000-3-2
CUR - CUL - CSA - LGA*		LGA - CUR - CUL - CSA	CUR - CUL - CSA - LGA*
-10...70° C	-10...70° C	-10...70° C	-10...70° C
-25...85° C	-25...85° C	-25...85° C	-25...85° C
70 x 139 x 132	70 x 151 x 141	205 x 86 x 123	70 x 164 x 147,5
0,9 Kg	1,2 Kg	1,2 Kg	1,2 Kg
Su guida - On bar DIN EN 50022-35			
Morsetti - Terminal blocks			

* Approvazioni in processo - Approval in process



EASWMR...



EASWCM...

Tipo	Type		
Codice	Code	EASWMR2024/230	EASWCM2024/230
Caratteristiche d'ingresso	Input characteristics	11E003244	11E003247
Tensione d'ingresso	Input voltage range	195...265 Vac 47...63 Hz	190...265 Vac 47...63 Hz
Corrente d'ingresso	Nominal input current	4,2 A at 230 Vac	3,0 A at 230 Vac
Corrente all'inserzione	Peak inrush current	< 30 A	< 30 A
Protezione	Protection	10 AT	
Caratteristiche uscita	Output characteristics		
Tensione d'uscita	Output voltage	24 Vdc $\pm$ 1%	24 Vdc $\pm$ 1%
Regolazione d'uscita	Output regulation	22,5...27,5 Vdc	22...29 Vdc (at 29 Vdc max. 480W)
Massima corrente	Max current	20 A	20 A
Ondulazione residua	Ripple	< 100 mV	< 50 mV
Rendimento	Efficiency	88%	89%
Parallelabile	Parallel operation	Si - Yes	Si - Yes
Protezione	Protection		
Corto circuito, Sovraccarico	Short circuit, Overload	Si - Yes	Si - Yes
Norme	Norms		
Sicurezza	Electrical safety	EN60950	EN60950
Classe di Protezione	Class of protection	I	I
Grado di protezione	Enclosure	IP20	IP20
Norma CE	CE norm	EN55011/B EN50082-2	EN55011/B EN50082-2 EN61000-3-2
Approvazioni	Approvals	LGA - CUR - CUL - CSA	
Temperatura di funzionamento	Operating temperature	-10...70° C	-10...70° C
Temperatura di stoccaggio	Storage temperature	-25...85° C	-25...85° C
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]	240 x 86 x 153	86 x 173 x 227
Peso	Weight	1,9 Kg	2,0 Kg
Montaggio	Mounting	Su guida - On bar DIN EN 50022-35	Su guida - On bar DIN EN 50022-35
Allacciamento	Connection	Morsetti - Terminal blocks	Morsetti - Terminal blocks

Note

- Per l'uso a pieno carico degli alimentatori si consiglia di servirsi di più morsetti d'uscita.

Notes

- For use the power supplies at full load to make use more output terminal blocks.



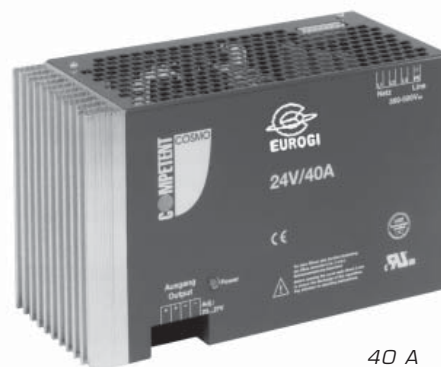
10 A



20 A



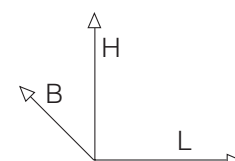
20 A



40 A

Tipo	Type				
Codice	Code	EASWCT1024/400÷500	EASWTR2024/400÷500	EASWCT2024/400÷500	EASWTR4024/400÷500
Caratteristiche d'ingresso	Input characteristics	11E003256	11E003251	11E003257	11E003252
Tensione d'ingresso	Input voltage range	3 x 340...550 Vac 47...63 Hz	3 x 340...550 Vac 47...63 Hz	3 x 340...550 Vac 47...63 Hz	3 x 340...550 Vac 47...63 Hz
Corrente d'ingresso	Nominal input current	3 x 0,7 A at 400 Vac	3 x 1,5 A at 400 Vac	3 x 1,5 A at 400 Vac	3 x 3 A at 400 Vac
Corrente all'inserzione	Peak inrush current	< 50 A	< 50 A	< 40 A	< 50 A
Protezione	Protection	3 x 1 AT	3 x 2 AT	3 x 2 AT	3 x 4 AT
Caratteristiche uscita	Output characteristics				
Tensione d'uscita	Output voltage	24 Vdc ± 1%			
Regolazione d'uscita	Output regulation	23...30 Vdc	22,5...27,5 Vdc	23...29 Vdc	22,5...27,5 Vdc
Massima corrente	Max current	10 A	20 A	20 A	40 A
Ondulazione residua	Ripple	< 50 mV	< 100 mV	< 50 mV	< 100 mV
Rendimento	Efficiency	90%	90%	89%	90%
Parallelabile	Parallel operation	Si - Yes	Si - Yes	Si - Yes	Si - Yes
Protezione	Protection				
Corto circuito, Sovraccarico	Short circuit, Overload	Si - Yes			
Norme	Norms				
Sicurezza	Electrical safety	EN60950			
Classe di Protezione	Class of protection	I	I	I	I
Grado di protezione	Enclosure	IP20	IP20	IP20	IP20
Norma CE	CE norm	EN55011/B EN50082-2 EN61000-3-2	EN55011/B EN50082-2	EN55011/B EN50082-2 EN61000-3-2	EN55011/B EN50082-2
Approvazioni	Approvals	CUL - CSA* - LGA*	LGA - CUR - CUL - CSA	CUR - CUL - CSA - LGA*	LGA - CUR - CUL - CSA
Temperatura di funzionamento	Operating temperature	-10...70° C	-10...70° C	-10...70° C	-10...70° C
Temperatura di stoccaggio	Storage temperature	-25...85° C	-25...85° C	-25...85° C	-25...85° C
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]	81 x 160 x 153	240 x 86 x 153	86 x 173 x 227	292 x 130 x 185
Peso	Weight	1,4 Kg	1,9 Kg	2 Kg	3,6 Kg
Montaggio	Mounting	Su guida - On bar DIN EN 50022-35			
Allacciamento	Connection	Morsetti - Terminal blocks			

* Approvazioni in processo - Approval in process



Note

- Per l'uso a pieno carico degli alimentatori si consiglia di servirsi di più morsetti d'uscita.

Notes

- For use the power supplies at full load to make use more output terminal blocks.

Switching Singola Uscita 20...60 W - DIN RAIL

Switching Single Output - 20...60 W - DIN RAIL



EMDR2024

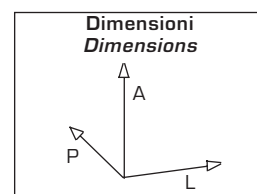


EMDR4024



EMDR6024

Tipo	Type			
Codice	Code	EMDR2024	EMDR4024	EMDR6024
Caratteristiche	Characteristics	10E001520	10E001521	10E001522
Tensione di Ingresso (Vac)	Input Voltage (Vac)	85~264VAC		
Tensione di Ingresso (Vdc)	Input Voltage (Vdc)	120~370VDC		
Frequenza di Lavoro	Frequency	47-63Hz		
Corrente di Ingresso	Input Current	0,5A/115V, 0,35A/230V	4A/115V, 2A/230V	
Corrente di Spunto	Inrush Current	cold start 20A/115V 40A/230V	cold start 20A/115V 40A/230V	cold start 20A/115V 40A/230V
Tensione di Uscita	Output Voltage	24V ±10%	24~30V	
Corrente	Current	1A	1,7A	2,5A
Segnale DC OK	DC OK signal	open collector	Relay contact	
Tolleranza	Voltage Tolerance	1%	1%	1%
Ripple & Noise	Ripple & Noise	150mV	120mV	150mV
Efficienza	Efficiency	82%	84%	84%
Protezione Sovraccarico	Overload protection	105%~160% constant current, auto recovery		
Sovratensione (sulla Vout)	Overload Voltige protecion	115%~135%	125%~140%	125%~140%
Tempo Start, salita, mantenimento	Setup, Rise, Hold time	0,5s,30ms,50ms/230Vac		
Isolamenti	Withstand voltage	I/P-O/P:3KVac, I/P-FG:1,5KVac, 1min		
Temperatura di Esercizio	Working Temperature	-20~50°C @ 100%;70°C @ 50%		
Norme di Sicurezza	Safety standards norm	UL 508,TUV EN60950-1	Design refer toUL508,TUV EN60950-1	
Norme EMC	EMC norm	EN55022B; EN61000-3-2,3;EN61204-3; EN61000-4-2,3,4,5,6,8,11;ENV50204		
Allacciamento	Connection	Morsetti		
Peso	Weight	0,19 Kg	0,30 Kg	0,33 Kg
Dimensioni [PxLxA]	Dimensions [PxLxA]	100x22,5x90	100x40x90	100x40x90
PFC	PFC	/	/	/



Switching Singola Uscita 45...480 W - DIN RAIL

Switching Single Output - 45...480 W - DIN RAIL



EDR3024



EDR4524

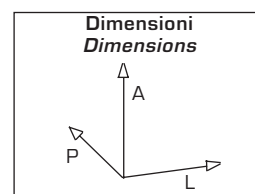


EDR6024



EDR7524

Tipo	Type				
Codice	Code	EDR3024	EDR4524	EDR6024	EDR7524
Caratteristiche	Characteristics	10E001502	10E001500	10E001503	10E001505
Tensione di Ingresso (Vac)	Input Voltage (Vac)	85~264VAC	85~264VAC	85~264VAC	85~264VAC
Tensione di Ingresso (Vdc)	Input Voltage (Vdc)	120~370VDC	120~370VDC	120~370VDC	120~370VDC
Frequenza di Lavoro	Frequency	47-63Hz			
Corrente di Ingresso	Input Current	0,88A/115V, 0,48A/230V	1,5A/115V, 0,75A/230V	1,2A/115V, 0,8A/230V	2A/115V, 1,2A/230V
Corrente di Spunto	Inrush Current	cold start 30A/115V 40A/230V	cold start 30A/115V 60A/230V	cold start 30A/115V 40A/230V	cold start 30A/115V 60A/230V
Tensione di Uscita	Output Voltage	24V ±10%ADJ.			
Corrente	Current	1,5A	2A	2,5A	3,2A
Tolleranza	Voltage Tolerance	1%	1%	1%	1%
Ripple & Noise	Ripple & Noise	150mV	480mV	150mV	150mV
Efficienza	Efficiency	83%	80%	86%	80%
Protezione Sovraccarico	Overload protection	105%~150% constant current, auto recovery			
Sovratensione (sulla Vout)	Overload Voltage protection	115%~135%	115%~135%	115%~135%	115%~145%
Tempo Start, salita, mantenimento	Setup, Rise, Hold time	100ms,30ms,50ms/230Vac	0,8s,60ms,50ms/230Vac	100ms,30ms,50ms/230Vac	1s,60ms,50ms/230Vac
Isolamenti	Withstand voltage	I/P-O/P:3KVac, I/P-FG:1,5KVac, 1min			
Temperatura di Esercizio	Working Temperature	-20~50°C @ 100%; 60°C @ 80%	0~45°C @ 100%;-10°C @ 80%; 50°C @ 80%	-20~50°C @ 100%; 60°C @ 80%	-10~50°C @ 100%; 60°C @ 60%
Norme di Sicurezza	Safety standards norm	UL 508,TUV EN60950			
Norme EMC	EMC norm	EN55022B; EN61000-3-2,3; EN61000-6-2; EN61000-4-2,3,4,5,6,8,11; ENV50204;EN61204-3	EN55022B; EN61000-3-2,3; EN61000-6-2; EN61000-4-2,3,4,5,6,8,11; ENV50204	EN55022B; EN61000-3-2,3; EN61000-6-2; EN61000-4-2,3,4,5,6,8,11; ENV50204;EN61204-3	EN55022B;EN61000-3-2,3; EN61000-6-2; EN61000-4-2,3,4,5,6,8,11; ENV50204
Allacciamento	Connection	Morsetti			
Peso	Weight	0,27 Kg	0,35 Kg	0,3 Kg	0,6 Kg
Dimensioni [PxLxA]	Dimensions [PxLxA]	56x78x93	67x78x93	56x78x93	100x55,5x125,2
PFC	PFC	/	/	/	/



Switching Singola Uscita 45...480 W - DIN RAIL

Switching Single Output - 45...480 W - DIN RAIL



EDR12024

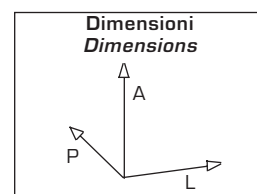


EDRP24024



EDRP48024

Tipo	Type			
Codice	Code	EDR12024	EDRP24024	EDRP48024
Caratteristiche	Characteristics	10E001515	10E001530	10E001560
Tensione di Ingresso (Vac)	Input Voltage (Vac)	88~132/176~264VAC by sw.	85~264VAC	180~264VAC
Tensione di Ingresso (Vdc)	Input Voltage (Vdc)	254~370VDC	120~370VDC	250~370VDC
Frequenza di Lavoro	Frequency		47-63Hz	
Corrente di Ingresso	Input Current	5A/115V, 2,5A/230V	4A/115V, 2A/230V	4A/230V
Corrente di Spunto	Inrush Current	cold start 30A/115V 60A/230V	cold start 30A/115V 50A/230V	cold start 40A/230V
Tensione di Uscita	Output Voltage		24V ±10%ADJ.	
Corrente	Current	5A	10A	20A
Tolleranza	Voltage Tolerance	1%	1%	1%
Ripple & Noise	Ripple & Noise	80mV	80mV	120mV
Efficienza	Efficiency	84%	84%	89%
Protezione Sovraccarico	Overload protection	105%~150% constant current, auto recovery		
Sovratensione (sulla Vout)	Overload Voltage protection	115%~150%	115%~145%	115%~145%
Tempo Start, salita, mantenimento	Setup, Rise, Hold time	0,5s,70ms,30ms/230Vac	0,8s,40ms,20ms/230Vac	1,2s,40ms,16ms/230Vac
Isolamenti	Withstand voltage	I/P-O/P:3KVac, I/P-FG:1,5KVac, 1min		
Temperatura di Esercizio	Working Temperature	-10~50°C @ 100%;60°C @ 60%	-10~55°C @ 100%;70°C @ 60%	-20~50°C @ 100%;70°C @ 60%
Norme di Sicurezza	Safety standards norm	UL 508,TUV EN60950		
Norme EMC	EMC norm	EN55022B; EN61000-3-2,3;EN61000-6-2; EN61000-4-2,3,4,5,6,8,11;ENV50204	EN55022B; EN61000-3-2,3;EN61000-6-2; EN61000-4-2,3,4,5,6,8,11;ENV50204	EN55022B; EN61000-3-2,3;EN61000-6-2; EN61000-4-2,3,4,5,6,8,11;ENV50204
Allacciamento	Connection	Morsetti		
Peso	Weight	0,65 Kg	1,1 Kg	2,4 Kg
Dimensioni [PxLxA]	Dimensions [PxLxA]	100x65,5x125,2	100x125,5x125,2	100x227x125,2
PFC	PFC	/	0,95 @ 230VAC / 0,98 @ 115VAC	Passive



Switching Trifase Singola Uscita 120...960 W

Switching Three Phase Single Out. 120...960 W DIN RAIL



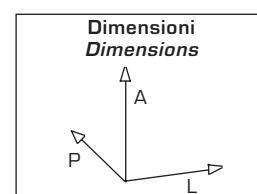
EDRH12024

EDRT24024

EDRT48024

EDRT96024

Tipo	Type				
Codice	Code	EDRH12024	EDRT24024	EDRT48024	EDRT96024
Caratteristiche	Characteristics	10E001525	10E001570	10E001580	10E001590
Tensione di Ingresso (Vac)	Input Voltage (Vac)	340~550VAC single phase	340~550VAC 3-phase	340~550VAC 3-phase	340~550VAC 3-phase
Frequenza di Lavoro	Frequency	47-63Hz			
Corrente di Ingresso	Input Current	0,65A/400V, 0,6A/500V	1A/400V, 0,75A/500V	1,7A/400V, 1,3A/500V	2A/400V, 1,6A/500V
Corrente di Spunto	Inrush Current	cold start 50A/400V	cold start 50A/400V	cold start 50A/400V	cold start 50A/400V
Tensione di Uscita	Output Voltage	24V $\pm$ 10%ADJ.			
Corrente	Current	5A	10A	20A	40A
Tolleranza	Voltage Tolerance	1%	1%	1%	1%
Ripple & Noise	Ripple & Noise	80mV	80mV	80mV	80mV
Efficienza	Efficiency	85%	89%	89%	91%
Protezione Sovraccarico	Overload protection	105%~150% constant current, auto recovery	105%~150% constant current, auto recovery		105%~125% constant current, shut off after 3 sec.
Sovratensione (sulla Vout)	Overload Voltage protection	125%~150%	125%~150%	125%~150%	125%~150%
Tempo Start, salita, mantenimento	Setup, Rise, Hold time	1,7s, 120ms, 16ms/400Vac	1,2s, 40ms, 20ms/400Vac	1,2s, 40ms, 16ms/400Vac	200ms, 60ms, 14ms/400Vac
Isolamenti	Withstand voltage	I/P-O/P:3KVac, I/P-FG:1,5KVac, 1min	I/P-O/P:3KVac, I/P-FG:1,5KVac, 1min	I/P-O/P:3KVac, I/P-FG:1,5KVac, O/P-FG:0,5KVac 1min	I/P-O/P:3KVac, I/P-FG:1,5KVac, O/P-FG:0,5KVac 1min
Temperatura di Esercizio	Working Temperature	-20...60°C	-20...70°C	-20...70°C	-20...+40°C@ 100%;70°C@ 60%
Norme di Sicurezza	Safety standards norm	Design refer to UL 508, TUV EN60950	UL 508,TUV EN60950	UL 508,TUV EN60950	UL 508,TUV EN60950
Norme EMC	EMC norm	EN55022B; EN61000-3-2,3;EN61000-6-2;EN61000-4-2,3,4,5,6,8,11;ENV50204;EN61204-3			
Allacciamento	Connection	Morsetti			
Peso	Weight	0,75 Kg	1,3 Kg	2,5 Kg	3,3 Kg
Dimensioni [PxLxA]	Dimensions [PxLxA]	100x65,5x125,2	100x125,5x125,2	100x227x125,2	100x276x125,2
PFC	PFC	/	/	/	/





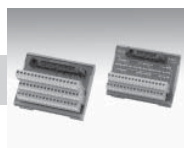
2 - Convertitori, Cavi

2 - Converters, Cables



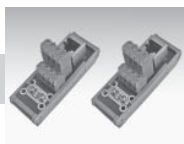
Convertitori Connettore Vaschetta - Morsettiera
SUB-D Connector - Terminal Board Converter

2/1



Convertitori Connettore Flat - Morsettiera
I.D.C. Connector - Terminal Board Converter

2/1



Convertitori Connettore Rj45 - Morsettiera
RJ45 Plug Connector - Terminal Board Converter

2/2



Cavi Flat
I.D.C. Cables

2/3



Cavi Multipli
Multiple Cables

2/3



Cavi Multipli Intestati da un Lato con Connettore Flat
Fitted Multiple Cables on one Side with I.D.C. DIN 41651 Connector

2/4



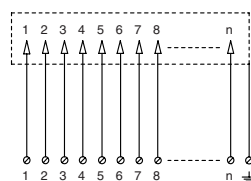
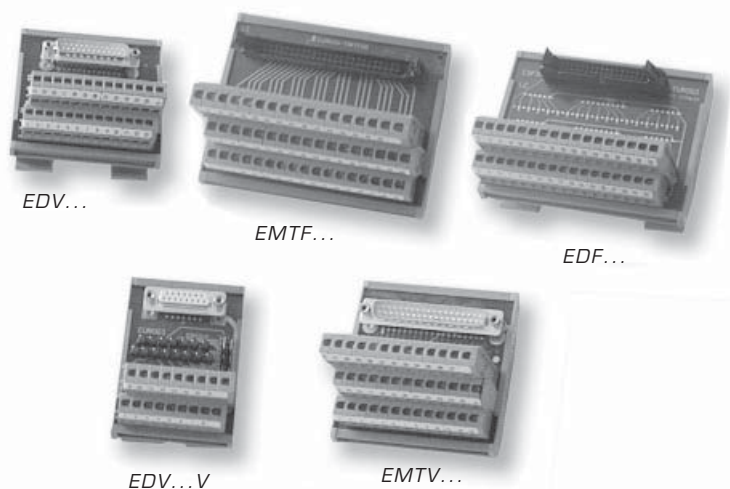
Cavi Multipli Intestati da un Lato con Connettore SUB-D
I.D.C. Cables Fitted Multiple Cables on one Side with SUB-D Connector

2/4

E' possibile avere alcuni prodotti del catalogo con morsetti diversi da quelli standard indicati (tipo a vite) e precisamente il tipo a molla ed il tipo estraibile. Per codici ed informazioni tecniche rivolgersi in sede.

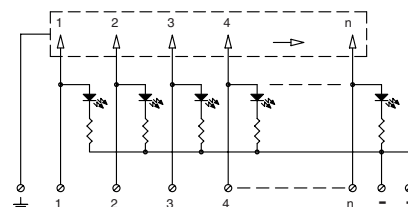
For some products is possible to change the standard screw terminal blocks choosing pluggable terminal blocks or screwless terminal blocks. Please contact us for codes and technical information.





↔ Piedino Connettore SUB-D / SUB-D Connector Pin

⊕- Morsetti a vite / Screw Terminal Blocks



Dati tecnici

Specifications

Tensione max.	Max. voltage	125 Vac - 150 Vdc (24 Vdc vers. visualizzate / vers. with display)
Corrente max.	Max. current	2 A (EDV... , EMTV...) / 1 A (EDF... , EMTF...)
Temperatura di funzionamento	Operating temperature	-20...50° C
Allacciamento	Connection	Morsetti a vite - Screw terminal blocks
		Connettore SUB-D DIN 41652 - SUB-D DIN 41652 Connector
Sezione cavi flessibili	Fine-wired section	max. 1,5 mm ²
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

Tipo Type	Codice Code	Dim. LxBxH (mm)
EDV9F	21E013801	46x82x65
EDV15F	21E013802	57x82x65
EDV25F	21E013803	79x82x65
EDV37F	21E013804	113x82x65
EDV9M	21E013806	46x82x65
EDV15M	21E013807	57x82x65
EDV25M	21E013808	79x82x65
EDV37M	21E013809	113x82x65

Tipo Type	Codice Code	Dim. LxBxH (mm)
EDF10	21E014001	45x82x65
EDF14	21E014002	57x82x65
EDF16	21E014003	57x82x65
EDF20	21E014004	60x82x65
EDF26	21E014005	79x82x65
EDF34	21E014007	102x82x65
EDF40	21E014008	113x82x65
EDF50	21E014010	147x82x65

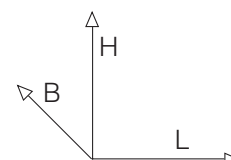
Con visualizzazione With display

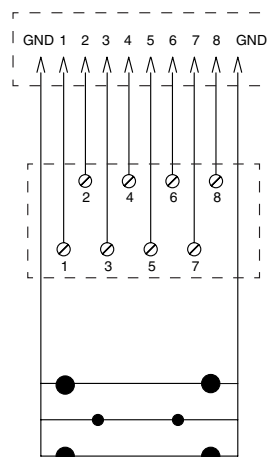
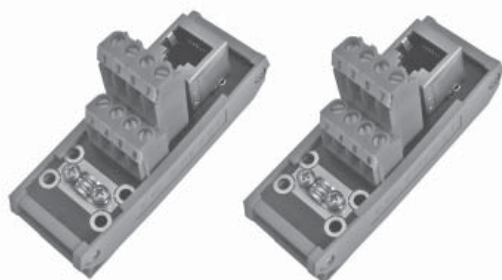
Tipo Type	Codice Code	Dim. LxBxH (mm)
EDV25MV	21E013847	83x82x65
EDV37MV	21E013848	113x82x65

Tipo Type	Codice Code	Dim. LxBxH (mm)
EMTF40	21E014041	90x82x80
EMTF50	21E014043	102x82x80

Tipo Type	Codice Code	Dim. LxBxH (mm)
EMTV37F	21E013824	79x82x80
EMTV50F	21E013825	102x82x80
EMTV37M	21E013829	79x82x80
EMTV50M	21E013830	102x82x80

E.....F = Connettori femmina - Female connectors
E.....M = Connettori maschio - Male connectors
E.....FV = Connettori femmina - Female connectors
E.....MV = Connettori maschio - Male connectors



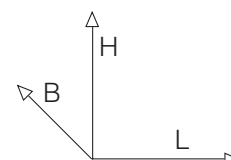
Connettore RJ45 femmina
RJ45 plug connectorMorsetti a vite
Screw Terminal BlocksSchermatura
Shielding**Dati tecnici****Specifications**

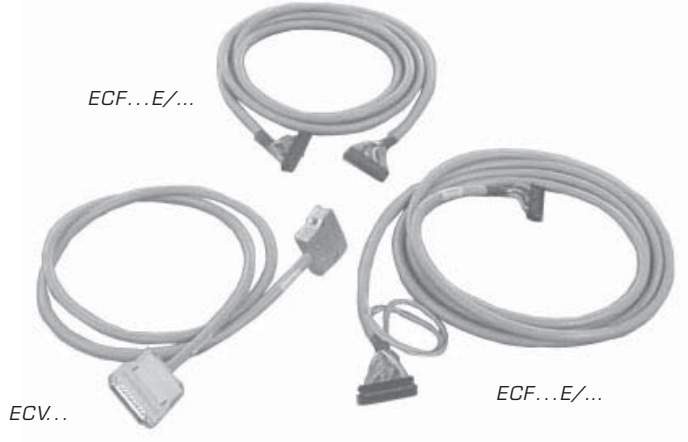
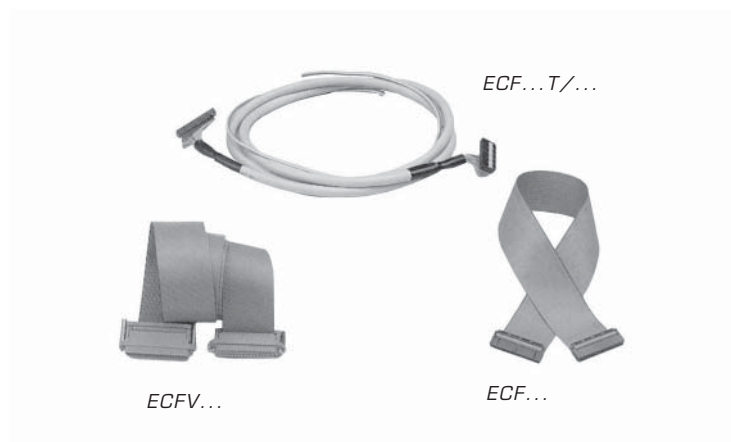
Numero di segnali	Number of signal	8 schermati - <i>shielded</i>
Trasferimento dati	Data transfer rate	Cat5 100 Mbit
Conversione	Conversion	1:1
Corrente max.	Max. current	1,5 A
Temperatura di funzionamento	Operating temperature	0...55° C
Allacciamento	Connection	Morsetti a vite - <i>Screw terminal blocks</i>
		Connettore RJ45 femmina - <i>RJ45 female connector</i>
Sezione cavi flessibili	Fine-wired section	max. 1,5 mm ²
Montaggio	Mounting	a scatto su profilo / <i>Snap-in mounting on DIN TS32 TS35</i>

Isolamenti (EN50178)**Insulation (EN50178)**

Classe di sovratensione	Overvoltage category	II
Classe immunità ai disturbi	Pollution severity	2

Tipo Type	Codice Code	Dim. LxBxH (mm)
EMRJ45V	21E014090	30x82x65



**Dati tecnici****Specifications****Cavi Flat - I.D.C. Cables****Cavi Multipli - Multiple Cables**

Tensione max.	Max. voltage	250 Vac	250 Vac
Corrente max.	Max. current	1 A	1 A (ECF...), 2 A (ECV...)
Sez. filo	Wire section	28 AWG 0,08 mm ²	24 AWG 0,2 mm ²

Cavi flat piatti con
connettore flat DIN 41651
*Normal Flat Cables with I.D.C.
DIN 41651 Connector*

Tipo Type	Codice Code
ECF10/...	21E014121
ECF14/...	21E014122
ECF16/...	21E014123
ECF20/...	21E014124
ECF26/...	21E014125
ECF34/...	21E014127
ECF40/...	21E014128
ECF50/...	21E014130
ECF60/...	21E014131
ECF64/...	21E014132

Cavi flat tondi con
connettore flat DIN 41651
*Rounded Flat Cables with I.D.C.
DIN 41651 Connector*

Tipo Type	Codice Code
ECF10T/...	21E014351
ECF16T/...	21E014353
ECF40T/...	21E014358
ECF50T/...	21E014360

Cavi flat piatti con
connettore SUB-D
*Normal Flat Cables with
SUB-D Connector*

Tipo Type	Codice Code
ECFV37MF/...	21E014153
ECFV09FF/...	21E014160
ECFV15FF/...	21E014161
ECFV25FF/...	21E014162
ECFV37FF/...	21E014163
ECFV50FF/...	21E014164
ECFV09MM/...	21E014155
ECFV15MM/...	21E014156
ECFV25MM/...	21E014157
ECFV37MM/...	21E014158
ECFV50MM/...	21E014159

Cavi tondi con
Connettore flat DIN 41651
*Rounded Cables with I.D.C.
DIN 41651 Connector*

Tipo Type	Codice Code
ECF10E/...	21E014410
ECF20E/...	21E014412
ECF40E/...	21E014415

Cavi tondi con connettore
SUB-D pin crimpati
calotta plastica
*Rounded Cables with SUB-D
Connector Crimped pins
Plastic Connector case*

Tipo Type	Codice Code
ECV09MF/P/...	21E014295
ECV15MF/P/...	21E014296
ECV25MF/P/...	21E014297
ECV37MF/P/...	21E014298
ECV50MF/P/...	21E014299
ECV09MM/P/...	21E014300
ECV15MM/P/...	21E014301
ECV25MM/P/...	21E014302
ECV37MM/P/...	21E014303
ECV50MM/P/...	21E014304
ECV09FF/P/...	21E014305
ECV15FF/P/...	21E014306
ECV25FF/P/...	21E014307
ECV37FF/P/...	21E014308
ECV50FF/P/...	21E014309

Cavi schermati tondi con
connettore SUB-D pin
crimpati - calotta metallizzata
*Rounded Shielded Cables with
SUB-D Connector Crimped pins
Metalized Connector case*

Tipo Type	Codice Code
ECV09MF/M/...	21E014195
ECV15MF/M/...	21E014196
ECV25MF/M/...	21E014197
ECV37MF/M/...	21E014198
ECV50MF/M/...	21E014199
ECV09MM/M/...	21E014200
ECV15MM/M/...	21E014201
ECV25MM/M/...	21E014202
ECV37MM/M/...	21E014203
ECV50MM/M/...	21E014204
ECV09FF/M/...	21E014205
ECV15FF/M/...	21E014206
ECV25FF/M/...	21E014207
ECV37FF/M/...	21E014208
ECV50FF/M/...	21E014209

Nelle ordinazioni dopo la /... si deve mettere la
lunghezza in metri del cavo.

Si realizzano soluzioni diverse a richiesta.

Cavi Flat:

forniti senza calotte.

Cavi Tondi:

Per calotte diritte codici **21E0...**

Per calotte 45° codici **21E1...**

Esempio :

21E014195 calotta diritta.

21E114195 calotta 45°.

*When ordering, please give the cable length in
meters after the /...*

Different solutions can be supplied on request.

I.D.C. Cables:

supplied without connector case.

Rounded Cables:

*Codes **21E0...** for straight exit cable connector case.*

*Codes **21E1...** for 45° exit cable connector case.*

Example :

21E014195 straight exit cable connector case.

21E114195 45° exit cable connector case.

Cavi Multipli Intestati da un Lato con Connettore Flat / SUB-D

Fitted Multiple Cables on one Side with DIN 41651 / SUB-D Connector



Dati tecnici	Specifications	Connettore Flat - DIN 41651 Connector	Connettore SUB-D - SUB-D Connector
Tensione max.	Max. voltage	250 Vac	250 Vac
Corrente max.	Max. current	1 A	2 A
Sez. filo	Wire section	24 AWG 0,2 mm ²	24 AWG 0,2 mm ²

Cavi multiplo tondo con connettore flat DIN 41651
Rounded Multiple Cables with IDC DIN 41651 Connector

Tipo Type	Codice Code
ECF10ESF/..	21E014440
ECF20ESF/..	21E014442
ECF40ESF/..	21E014445

Cavi multiplo tondo con connettore flat DIN 41651 con puntalini
Rounded Multiple Cables with IDC DIN 41651 Connector, with tips

Tipo Type	Codice Code
ECF10ESFP/..	21E014540
ECF20ESFP/..	21E014542
ECF40ESFP/..	21E014545

Cavo multiplo tondo, connettore SUB-D, pin crimpati, calotta plastica
Rounded Multiple Cables, SUB-D Connector, Crimped Pin, Plastic Connector Case

Tipo Type	Codice Code
ECV25F/P/..	21E014252
ECV25M/P/..	21E014257

Cavo multiplo tondo, connettore SUB-D, pin crimpati, calotta plastica, con puntalini
Rounded Multiple Cables, SUB-D Connector, Crimped Pin, Plastic Connector Case, with Tips

Tipo Type	Codice Code
ECV25F/PP/..	21E014652
ECV25M/PP/..	21E014657

Cavo multiplo schermato tondo, connettore SUB-D, pin crimpati, calotta metallizzata
Shielded Rounded Multiple Cables, SUB-D Connector, Crimped Pin, Metalized Connector Case

Tipo Type	Codice Code
ECV25F/M/..	21E014242
ECV25M/M/..	21E014247

Nelle ordinazioni dopo la /.. si deve mettere la lunghezza in metri del cavo. Si realizzano soluzioni diverse a richiesta. I cavi forniti possono non rispettare la tabella colori DIN 47100 indicata, verranno comunque corredati della tabella colori usata.

Cavi con conn. Flat:
forniti senza calotte.

Cavi con conn. SUB-D:
Per calotte diritte codici **21E0...**
Per calotte 45° codici **21E1...**
Esempio :
21E014242 calotta diritta.
21E114242 calotta 45°.

When ordering, please give the cable lenght in meters after the /...
Different solutions can be supplied on request.
The cable supplied could not respect the DIN 47100 colors table indicated, in this case they will be supplied with color table used.

Cables with DIN 41651 conn.:
supplied without connector case.

Cables with SUB-D conn.:
Codes **21E0...** for straight exit cable connector case
Codes **21E1...** for 45° exit cable connector case
Example :
21E014242 straight exit cable connector case.
21E114242 45° exit cable connector case.

Tabella colori - DIN 47100
Colors Table - DIN 47100

N.	Colore conduttore	Color Conductour
1	Bianco	White
2	Marrone	Brown
3	Verde	Green
4	Giallo	Yellow
5	Grigio	Grey
6	Rosa	Pink
7	Blu	Blue
8	Rosso	Red
9	Nero	Black
10	Viola	Purple
11	Grigio-Rosa	Grey-Pink
12	Rosso-Blu	Red-Blue
13	Bianco-Verde	White-Green
14	Marrone-Verde	Brown-Green
15	Bianco-Giallo	White-Yellow
16	Giallo-Marrone	Yellow-Brown
17	Bianco-Grigio	White-Grey
18	Grigio-Marrone	Grey-Brown
19	Bianco-Rosa	White-Pink
20	Rosa-Marrone	Pink-Brown
21	Bianco-Blu	White-Blue
22	Marrone-Blu	Brown-Blue
23	Bianco-Rosso	White-Red
24	Marrone-Rosso	Brown-Red
25	Bianco-Nero	White-Black
26	Marrone-Nero	Brown-Black
27	Grigio-Verde	Grey-Green
28	Giallo-Grigio	Yellow-Grey
29	Rosa-Verde	Pink-Green
30	Giallo-Rosa	Yellow-Pink
31	Verde-Blu	Green-Blue
32	Giallo-Blu	Yellow-Blue
33	Verde-Rosso	Green-Red
34	Giallo-Rosso	Yellow-Red
35	Verde-Nero	Green-Black
36	Giallo-Nero	Yellow-Black
37	Grigio-Blu	Grey-Blue
38	Rosa-Blu	Pink-Blue
39	Grigio-Rosso	Grey-Red
40	Rosa-Rosso	Pink-Red
41	Grigio-Nero	Grey-Black
42	Rosa-Nero	Pink-Black
43	Blu-Nero	Blue-Black
44	Rosso-Nero	Red-Black
45	Bianco-Marrone-Nero	White-Brown-Black
46	Giallo-Verde-Nero	Yellow-Green-Black
47	Grigio-Rosa-Nero	Grey-Pink-Black
48	Rosso-Blu-Nero	Red-Blue-Black
49	Bianco-Verde-Nero	White-Green-Black
50	Marrone-Verde-Nero	Brown-Green-Black

3 - Moduli a Relè

3 - Relay Modules



1 Contatto Scambio 10 A / 12 A
1 Changeover Contact 10 A / 12 A

3/1



1 Contatto Scambio 16 A
1 Changeover Contact 16 A

3/2



1 Contatto Scambio 12 A / 16 A - Ingresso con Test Relè
1 Changeover Contact 12 A / 16 A - With Push Button Test

3/3



1 Contatto Scambio 10 A / 12 A - Uscita con Protezione a Fusibile
1 Changeover Contact 10 A / 12 A - Output with Protection Fuse

3/4



1 Contatto Scambio 16 A - Uscita con Protezione a Fusibile
1 Changeover Contact 16 A - Output with Protection Fuse

3/5



2 Contatti Scambio 5 A / 8 A
2 Changeover Contacts 5 A / 8 A

3/6



1 Relè - 1 Contatto / 1 Contatto Scambio
1 Relay - 1 Contact / 1 Changeover Contact

3/7



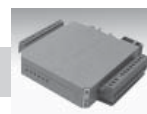
1 Relè - 2 Contatti 5 A / 8 A
1 Relays - 2 Contacts 5 A / 8 A

3/8



1 Contatto - In Contenitore da 22,5 mm
1 Contact - In 22,5 mm Case

3/9



2 Contatti - In Contenitore da 22,5 mm
2 Contacts - In 22,5 mm Case

3/10



1 Contatto, Comando Flat - In Contenitore da 22,5 mm
1 Contact, I.D.C. Connector - In 22,5 mm Case

3/11



1 Contatto Protetti, Comando Flat - In Contenitore da 22,5 mm
1 Contact with Protection, I.D.C. Connector - In 22,5 mm Case

3/12



Singolo da 6,2 mm - 1 Contatto Scambio 6 A
Single 6,2 mm - 1 Changeover Contact 6 A

3/13

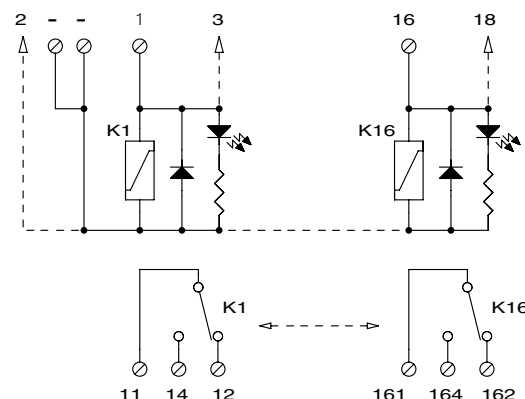
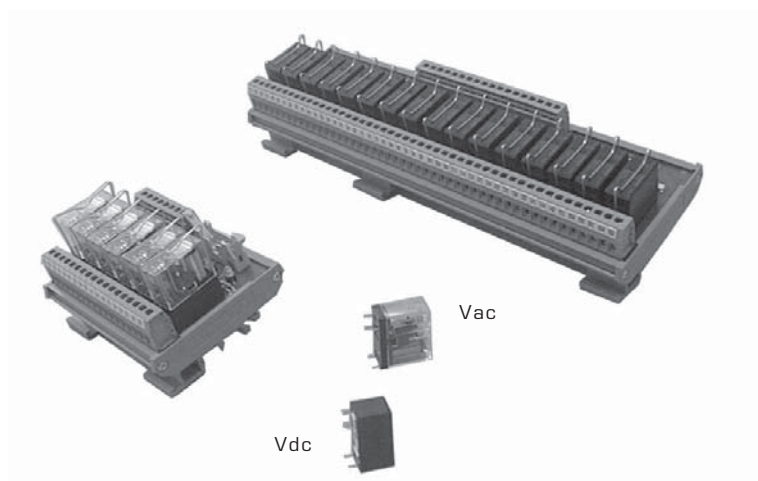
E' possibile avere alcuni prodotti del catalogo con morsetti diversi da quelli standard indicati (tipo a vite) e precisamente il tipo a molla ed il tipo estraibile. Per codici ed informazioni tecniche rivolgersi in sede.

For some products is possible to change the standard screw terminal blocks choosing pluggable terminal blocks or screwless terminal blocks. Please contact us for codes and technical information.



1 Contatto Scambio 10 A / 12 A

1 Changeover Contact 10 A / 12 A



← Piedino Connettore Flat / I.D.C. Connector Pin

○ — Morsetti a vite / Screw Terminal Blocks

Dati tecnici

Specifications

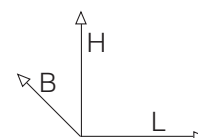
Tensione ingresso	Input voltage	24 Vdc	110 Vac
Corrente ingresso	Input current	30mA	14mA
Tensione max contatto	Max switching voltage	440Vac - 300Vdc	380Vac - 125Vdc
Corrente nominale	Nominal current	12A	10A
Carico max COS $\phi=1$	Max load COS $\phi=1$	12A 250Vac, 12A 24Vdc	10A 250Vac, 10A 30Vdc
Carico max COS $\phi=0,4$	Max load COS $\phi=0,4$	5A 250Vac, 5A 30Vdc	7,5A 250Vac, 5A 30 Vdc
Carico min	Min load	100mA / 5Vdc	100mA / 5Vdc
Δt on	Δt on	7mSec.	15mSec.
Δt off	Δt off	2mSec.(dc)	10mSec.(ac), 5mSec.(dc)
Isolamento cont. bobina	Contact-coil insulation	5KVdc	4KVdc
Isolamento tra contatti	Insulation between contacts	1KVdc	1KVdc
Vita meccanica (relè)	Mechanical life (Relays)	20x10 ⁶ cicli / cycles	1x10 ⁶ cicli / cycles
Temperatura di funzionamento	Operating temperature	-25...50° C	
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks	
Sezione cavi flessibili	Fine-wired section	max 1,5 mm ²	
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35	

Comandi tramite Morsettiera / Commands using Terminal board

Bobina 24 Vdc Coil 24 Vdc				Bobina 110 Vac Coil 110 Vac		
Relè Relays	Tipo Type	Codice Code	Dim. LxBxH (mm)	Tipo Type	Codice Code	Dim. LxBxH (mm)
2	EMRS2Z/24C	31E017456	45x82x57			
4	EMRS4Z/24C	31E017457	67,5x82x57			
8	EMRS8Z/24C	31E017459	135x82x57	EMRS8Z/110A	31E017495	135x82x67
16	EMRS16Z/24C	31E017461	259x82x57	EMRS16Z/110A	31E017497	259x82x67

Comandi tramite Flat e Morsettiera / Commands using I.D.C. Connector and Terminal board

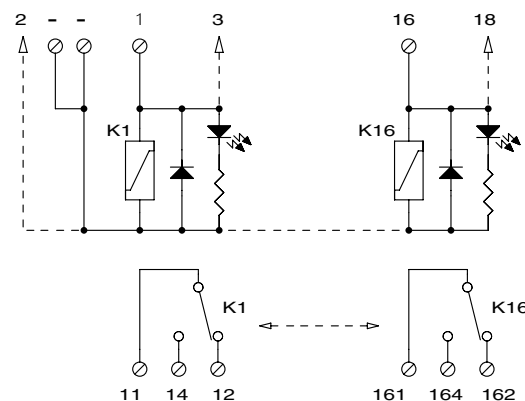
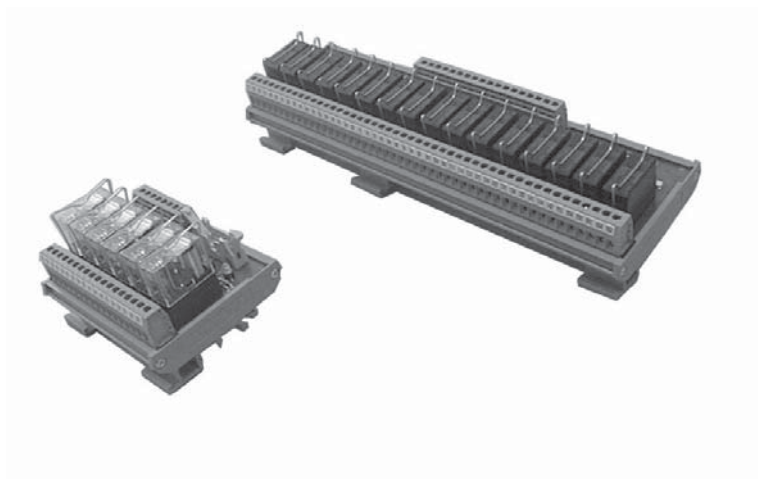
Relè Zoccolati - Bobina 24 Vdc Socketed Relays - Coil 24 Vdc				N. Vie Connettore Flat I.D.C. Conn. N. of ways	
Relè Relays	Tipo Type	Codice Code	Dim. LxBxH (mm)		
8	EMRS8Z/24C/F	31E017329	135x82x57	10	
16	EMRS16Z/24C/F	31E017331	259x82x57	20	



EMRS..S/... Relè Saldati / Soldered Relays
EMRS..Z/... Relè Zoccolati / Socketed Relays

1 Contatto Scambio 16 A

1 Changeover Contact 16 A



← Piedino Connettore Flat / I.D.C. Connector Pin

⊗ Morsetti a vite / Screw Terminal Blocks

Dati tecnici

Specifications

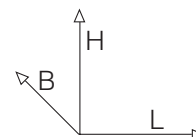
Tensione ingresso	Input voltage	24 Vdc
Corrente ingresso	Input current	30mA
Tensione max contatto	Max switching voltage	440Vac - 300Vdc
Corrente nominale	Nominal current	16A
Carico max COS $\varphi=1$	Max load COS $\varphi=1$	16A 250Vac, 16A 24Vdc
Carico max COS $\varphi=0,4$	Max load COS $\varphi=0,4$	8A 250Vac, 8A 30Vdc
Carico min	Min load	100mA / 5Vdc
Δt on	Δt on	7mSec.
Δt off	Δt off	2mSec.(dc)
Isolamento cont. bobina	Contact-coil insulation	5KVdc
Isolamento tra contatti	Insulation between contacts	1KVdc
Vita meccanica (relè)	Mechanical life (Relays)	20x10 ⁶ cicli / cycles
Temperatura di funzionamento	Operating temperature	-25...50° C
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks
Sezione cavi flessibili	Fine-wired section	max 1,5 mm ²
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

Comandi tramite Morsettiera Commands using Terminal board

Bobina 24 Vdc Coil 24 Vdc			
Relè Relays	Tipo Type	Codice Code	Dim. LxBxH (mm)
4	EMRS4.16Z/24C	31E017557	67,5x82x57
8	EMRS8.16Z/24C	31E017559	135x82x57
16	EMRS16.16Z/24C	31E017561	259x82x57

EMRS..16S/...
EMRS..16Z/...

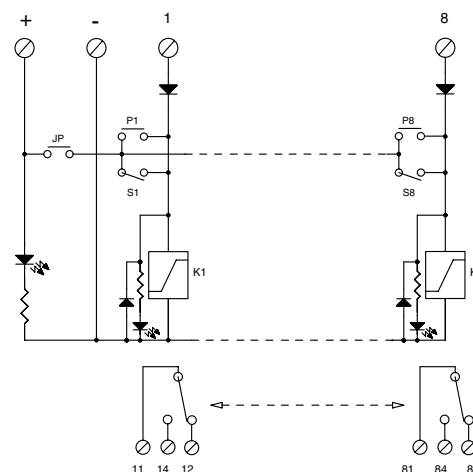
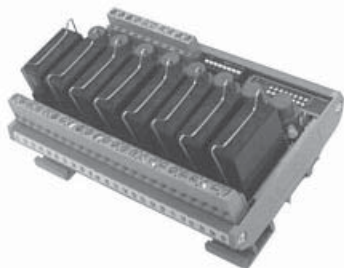
Relè Saldati / Soldered Relays
Relè Zoccolati / Socketed Relays



1 Contatto Scambio 12 A / 16 A - Ingresso con Test Relè



1 Changeover Contact 12 A / 16 A - With Push Button Test



⊗ — Morsetti a vite / Screw Terminal Blocks

Dati tecnici

Specifications

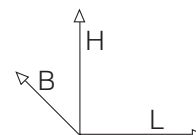
Tensione ingresso	Input voltage	24 Vdc	24 Vdc
Corrente nominale	Nominal current	12A	16A
Corrente ingresso	Input current	30mA	30mA
Tensione max contatto	Max switching voltage	440Vac - 300Vdc	440Vac - 300Vdc
Carico max COS φ=1	Max load COS φ=1	12A 250Vac, 12A 24Vdc	16A 250Vac, 16A 24Vdc
Carico max COS φ=0,4	Max load COS φ=0,4	5A 250Vac, 5A 30Vdc	8A 250Vac, 8A 30Vdc
Carico min	Min load	100mA / 5Vdc	100mA / 5Vdc
Δt on	Δt on	7mSec.	7mSec.
Δt off	Δt off	2mSec.(dc)	2mSec.(dc)
Isolamento cont. bobina	Contact-coil insulation	5KVac	5KVac
Isolamento tra contatti	Insulation between contacts	1KVac	1KVac
Vita meccanica (relè)	Mechanical life (Relays)	20x10 ⁶ cicli / cycles	20x10 ⁶ cicli / cycles
Temperatura di funzionamento	Operating temperature	-25...50° C	
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks	
Sezione cavi flessibili	Fine-wired section	max 1,5 mm ²	
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35	

Comandi tramite Morsettiera Commands using Terminal board

Relè Zoccolati Socketed Relays			
Relè Relays	Tipo Type	Codice Code	Dim. LxBxH (mm)
8	EMRS8ZP/24C	31E018700	128x82x57

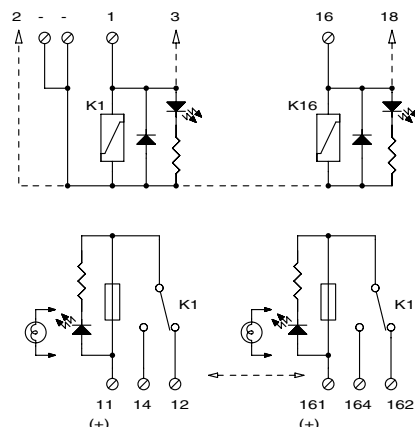
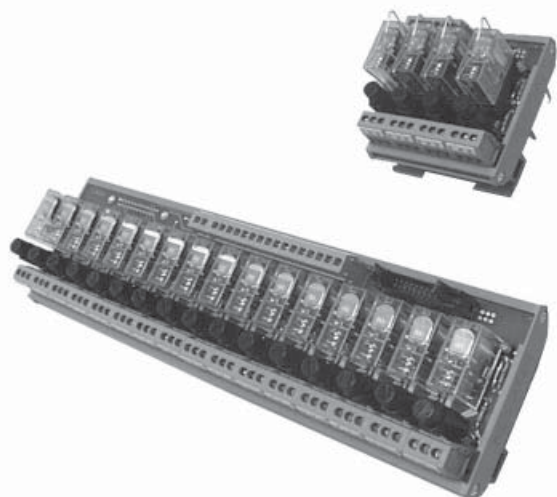
EMRS...16...

Relè 16 A / 16 A Relays



1 Contatto Scambio 10 A / 12 A - Uscita con Protezione a Fusibile

1 Changeover Contact 10 A / 12 A - Output with Protection Fuse



← Piedino Connettore Flat / I.D.C. Connector Pin

○ Morsetti a vite / Screw Terminal Blocks

Dati tecnici

Specifications

Tensione ingresso	Input voltage	24 Vdc
Corrente ingresso	Input current	30mA
Tensione max contatto	Max switching voltage	440Vac - 300Vdc
Corrente nominale	Nominal current	12A
Carico max COS φ=1	Max load COS φ=1	12A 250Vac, 12A 24Vdc
Carico max COS φ=0,4	Max load COS φ=0,4	5A 250Vac, 5A 30Vdc
Carico min	Min load	100mA / 5Vdc
Δt on	Δt on	7mSec.
Δt off	Δt off	2mSec.(dc)
Isolamento cont. bobina	Contact-coil insulation	5KVac
Isolamento tra contatti	Insulation between contacts	1KVac
Vita meccanica (relè)	Mechanical life (Relays)	20x10 ⁶ cicli / cycles
Fusibile	Fuse	2 A Rapido / Fast
Temperatura di funzionamento	Operating temperature	-25...50° C
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks
Sezione cavi flessibili	Fine-wired section	max 1,5 mm ²
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

Comandi tramite Morsettiera / Commands using Terminal board

Bobina 24 Vdc Coil 24 Vdc			
Relè Relays	Tipo Type	Codice Code	Dim. LxBxH [mm]
4	EMRF4Z/24C	31E017407	79x82x60
8	EMRF8Z/24C	31E017409	157,5x82x60
16	EMRF16Z/24C	31E017411	292,5x82x60
1	EMRF1S/24C	31E018810	22,5x82x60

EMRF..S/...
EMRF..Z/...

Relè Saldati / Soldered Relays
Relè Zoccolati / Socketed Relays

Comandi tramite Flat e Morsettiera / Commands using I.D.C. Connector and Terminal board

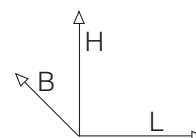
Relè Zoccolati - Bobina 24 Vdc Socketed Relays - Coil 24 Vdc				
Relè Relays	Tipo Type	Codice Code	Dim. LxBxH [mm]	N. Vie Connettore Flat I.D.C. Conn. N. of ways
8	EMRF8Z/24C/F	31E017310	157,5x82x60	10
16	EMRF16Z/24C/F	31E017312	292,5x82x60	20

Per **Carico in AC** sostituire il codice **E0** con il codice **E5**.

Per Moduli **senza Visualizzazione** sostituire il codice **E017** o **E018** con il codice **E019**.

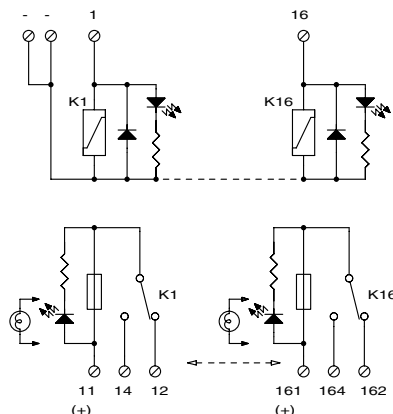
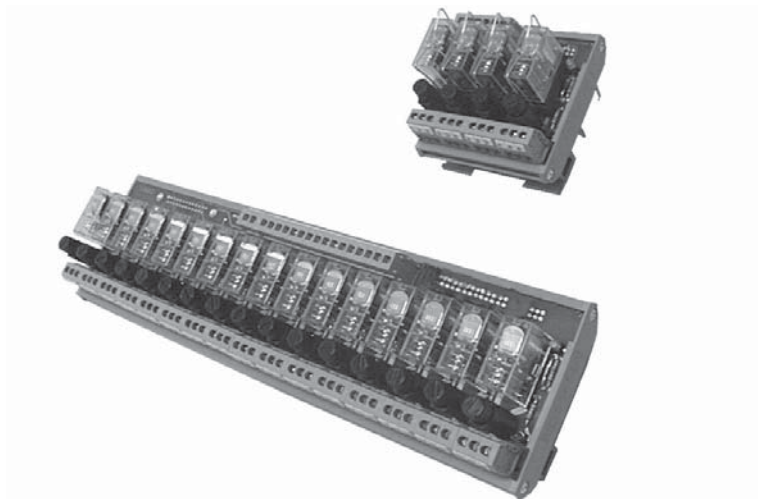
For **AC load** replace code **E0** with code **E5**.

For Module **without display** replace code **E017** or **E018** with code **E019**.



1 Contatto Scambio 16 A - Uscita con Protezione a Fusibile

1 Changeover Contact 16 A - Output with Protection Fuse



⊖ Morsetti a vite / Screw Terminal Blocks

Dati tecnici

Specifications

Tensione ingresso	Input voltage	24 Vdc
Corrente ingresso	Input current	30mA
Tensione max contatto	Max switching voltage	440Vac - 300Vdc
Corrente nominale	Nominal current	16A
Carico max COS $\varphi=1$	Max load COS $\varphi=1$	16A 250Vac, 16A 24Vdc
Carico max COS $\varphi=0,4$	Max load COS $\varphi=0,4$	8A 250Vac, 8A 30Vdc
Carico min	Min load	100mA / 5Vdc
Δt on	Δt on	7mSec.
Δt off	Δt off	2mSec.(dc)
Isolamento cont. bobina	Contact-coil insulation	5KVac
Isolamento tra contatti	Insulation between contacts	1KVac
Vita meccanica (relè)	Mechanical life (Relays)	20x10 ⁶ cicli / cycles
Fusibile	Fuse	2 A Rapido / Fast
Temperatura di funzionamento	Operating temperature	-25...50° C
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks
Sezione cavi flessibili	Fine-wired section	max 1,5 mm ²
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

Comandi tramite Morsettiera Commands using Terminal board

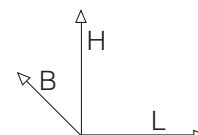
Bobina 24 Vdc Coil 24 Vdc			
Relè Relays	Tipo Type	Codice Code	Dim. LxBxH (mm)
1	EMRF1.16Z/24C	31E018960	22,5x82x60
8	EMRF8.16Z/24C	31E017509	157,5x82x60
16	EMRF16.16Z/24C	31E017511	292,5x82x60

EMRF..S/...
EMRF..Z/...

Relè Saldati / Soldered Relays
Relè Zoccolati / Socketed Relays

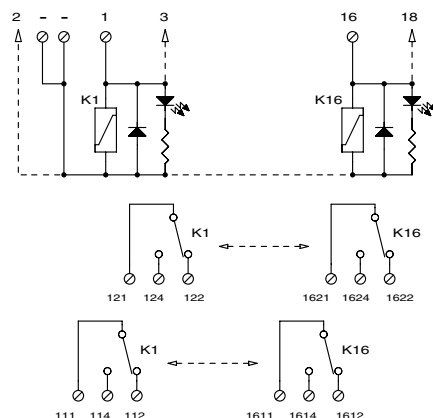
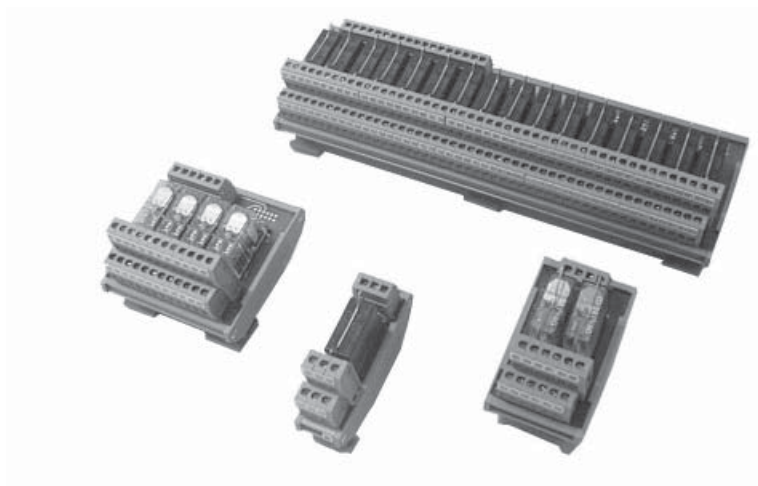
Per **Carico in AC** sostituire il codice **E0** con il codice **E5**.
Per Moduli **senza Visualizzazione** sostituire il codice **E017** o **E018** con il codice **E019**.

For **AC load** replace code **E0** with code **E5**.
For Module **without display** replace code **E017** or **E018** with code **E019**.



2 Contatti Scambio 5 A / 8 A

2 Changeover Contacts 5 A / 8 A



← Piedino Connettore Flat / I.D.C. Connector Pin

⊗ Morsetti a vite / Screw Terminal Blocks

Dati tecnici

Specifications

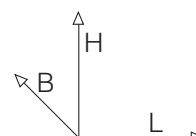
Tensione ingresso	Input voltage	24 Vdc	110 Vac
Corrente ingresso	Input current	30mA	14mA
Tensione max contatto	Max switching voltage	440Vac - 300Vdc	380Vac - 125Vdc
Corrente nominale	Nominal current	8A	5A
Carico max COS $\varphi=1$	Max load COS $\varphi=1$	8A 250Vac, 8A 24Vdc	5A 250Vac, 5A 30Vdc
Carico max COS $\varphi=0,4$	Max load COS $\varphi=0,4$	3A 250Vac, 3A 30Vdc	2A 250Vac, 3A 30 Vdc
Carico min	Min load	10mA / 5Vdc	10mA / 5Vdc
Δt on	Δt on	7mSec.	15mSec.
Δt off	Δt off	5mSec.	10mSec.(ac), 5mSec.(dc)
Isolamento cont. bobina	Contact-coil insulation	5KVac	4KVac
Isolamento tra contatti	Insulation between contacts	1KVac	1KVac
Vita meccanica (relè)	Mechanical life (Relays)	20x10 ⁶ cicli / cycles	1x10 ⁶ cicli / cycles
Temperatura di funzionamento	Operating temperature	-25...50° C	
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks	
Sezione cavi flessibili	Fine-wired section	max 1,5 mm ²	
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35	

Comandi tramite Morsettiera Commands using Terminal board

Bobina 24 Vdc Coil 24 Vdc				Bobina 110 Vac Coil 110 Vac		
Relè Relays	Tipo Type	Codice Code	Dim. LxBxH (mm)	Tipo Type	Codice Code	Dim. LxBxH (mm)
1	EMR201Z/24C	31E017606	22,5x82x62	EMR201Z/110A	31E017642	22,5x82x67
4	EMR204Z/24C	31E017608	79x82x62	EMR204Z/110A	31E017644	79x82x67
6	EMR206Z/24C	31E017651	101,5x82x62			
8	EMR208Z/24C	31E017609	135x82x62			
16	EMR216Z/24C	31E017611	259x82x62			
1	EMR201S/24C	31E017600	22,5x82x62			
8	EMR208S/24C	31E017603	135x82x62			

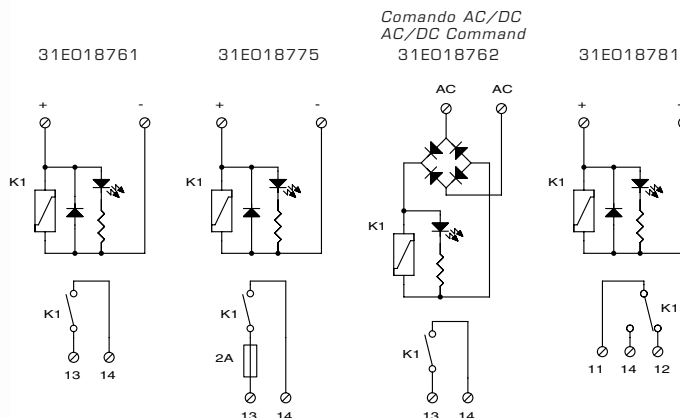
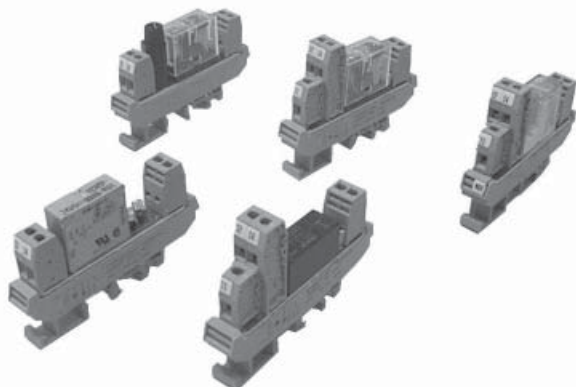
EMR2..S/...
EMR2..Z/...

Relè Saldati / Soldered Relays
Relè Zoccolati / Socketed Relays



1 Relè - 1 Contatto / 1 Contatto Scambio

1 Relay - 1 Contact / 1 Changeover Contact



Dati tecnici

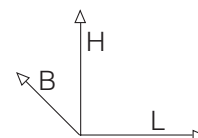
Specifications

Tensione ingresso	Input voltage	24 Vdc	24 Vdc	24 Vdc	24 Vdc
Corrente nominale	Nominal current	10 A	12 A	16 A	8 A
Corrente ingresso	Input current	31mA	30mA	31mA	30mA
Tensione max contatto	Max switching voltage	380Vac - 125Vdc	440Vac - 300Vdc	380Vac - 125Vdc	250Vac - 300Vdc
Carico max COS φ=1	Max load COS φ=1	10A 250Vac, 10A 30Vdc	12A 250Vac, 12A 24Vdc	16A 250Vac, 16A 24Vdc	ac 1250VA, dc 300W
Carico max COS φ=0,4	Max load COS φ=0,4	7,5A 250Vac, 5A 30Vdc	5A 250Vac, 5A 30Vdc	8A 250Vac, 8A 30Vdc	ac 1700VA, dc 150W
Carico min	Min load	100mA / 5Vdc	100mA / 5Vdc	100mA / 5Vdc	100mA / 5Vdc
Δt on	Δt on	15mSec.	7mSec.	15mSec.	12mSec.
Δt off	Δt off	5mSec.(dc)	2mSec.(dc)	10mSec.(ac), 5mSec.(dc)	10mSec.(ac), 5mSec.(dc)
Isolamento cont. bobina	Contact-coil insulation	4KVac	5KVac	4KVac	4KVac
Isolamento tra contatti	Insulation between contacts	1KVac	1KVac	1KVac	1KVac
Vita meccanica (relè)	Mechanical life (Relays)	1x10 ⁶ cicli / cycles	20x10 ⁶ cicli / cycles	1x10 ⁶ cicli / cycles	1x10 ⁶ cicli / cycles
Temperatura di funzionamento	Operating temperature	-25...50° C			
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks			
Sezione cavi flessibili	Fine-wired section	max 1,5 mm ²			
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35			

1 Contatto NA - 8 A 1 NO Contact - 8 A				1 Contatto NA - 16 A 1 NO Contact - 16 A		
V in V in	Tipo Type	Codice Code	Dim. LxBxH (mm)	Tipo Type	Codice Code	Dim. LxBxH (mm)
24 Vdc	EMSR1NA/24C	31E018761	11,5x82x51	EMOR1NA.16/24C	31E018775	12,5x82x56
24 Vac	EMSR1NA/24AC	31E018762	11,5x82x51			

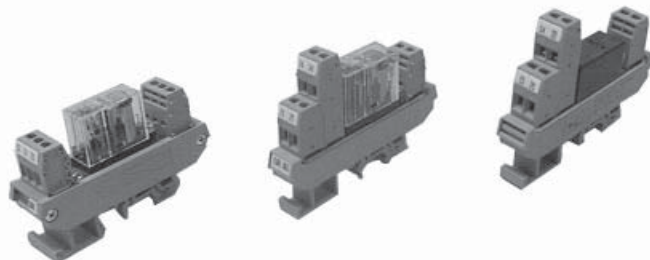
1 Contatto Scambio - 10 / 12 A 1 Changeover Contact - 10 / 12 A				1 Contatto Scambio - 16 A 1 Changeover Contact - 16 A		
V in V in	Tipo Type	Codice Code	Dim. LxBxH (mm)	Tipo Type	Codice Code	Dim. LxBxH (mm)
24 Vdc	EMSR1SC/24C *	31E018781	12,5x82x62	EMSR1SC.16/24C	31E018791	12,5x82x62
220 Vac	EMSR1SC/220A	31E018785	12,5x82x62			

* Relè 12 A / 12 A Relays



1 Relè - 2 Contatti 5 A / 8 A

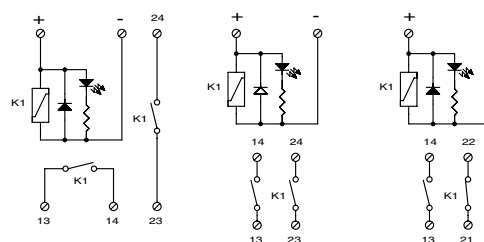
1 Relay - 2 Contacts 5 A / 8 A



EMR020

EMSR2C20

EMSR2C11



⊗ Morsetti a vite / Screw Terminal Blocks

Dati tecnici

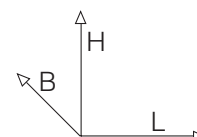
Specifications

Tensione ingresso	Input voltage	24 Vdc
Corrente ingresso	Input current	30mA
Tensione max contatto	Max switching voltage	440Vac - 300Vdc
Corrente nominale	Nominal current	8A
Carico max COS $\varphi=1$	Max load COS $\varphi=1$	8A 250Vac, 8A 24Vdc
Carico max COS $\varphi=0,4$	Max load COS $\varphi=0,4$	3A 250Vac, 3A 30Vdc
Carico min	Min load	10mA / 5Vdc
Δt on	Δt on	7mSec.
Δt off	Δt off	5mSec.
Isolamento cont. bobina	Contact-coil insulation	5KVac
Isolamento tra contatti	Insulation between contacts	1KVac
Vita meccanica (relè)	Mechanical life (Relays)	20x10 ⁶ cicli / cycles
Temperatura di funzionamento	Operating temperature	-25...50° C
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks
Sezione cavi flessibili	Fine-wired section	max 1,5 mm ²
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

2 Contatti NA 2 NO Contacts				1 Contatto NA + 1 Contatto NC 1 NO Contact + 1 NC Contact		
V in V in	Tipo Type	Codice Code	Dim. LxBxH (mm)	Tipo Type	Codice Code	Dim. LxBxH (mm)
24 Vdc	EMR020S/24C	31E019030	22,5x82x47			
24 Vdc	EMSR2C20/24C	31E019070	12,5x82x62	EMSR2C11/24C	31E019080	12,5x82x62

EMRO..S/...

Relè Saldati / Soldered Relays

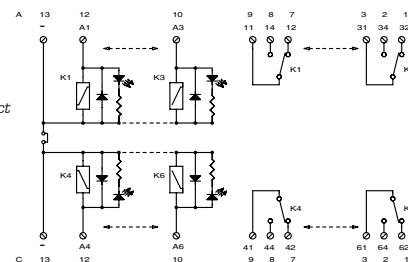


1 Contatto - In Contenitore da 22,5 mm

1 Contact - In 22,5 mm Case

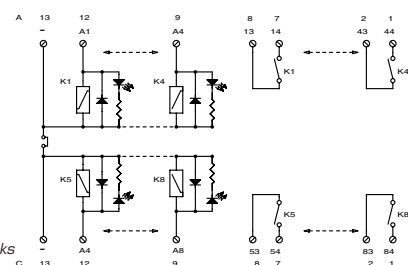


1 Contatto Scambio
1 Changeover Contact
EMR6X1...



1 Contatto NA
1 NO Contact
EMR8X1...

Morsetti Estraibili
Pluggable Terminal Blocks



Dati tecnici

Specifications

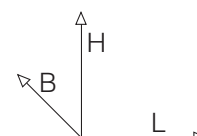
Tipo contatto	Contact type	Potenza / Power	Segnale / Signal
Tensione ingresso	Input voltage	24 Vdc	24 Vdc
Corrente ingresso	Input current	30mA	15mA
Tensione max contatto	Max switching voltage	440Vac - 300Vdc	125Vac - 60Vdc
Corrente nominale	Nominal current	12A	1A
Carico max COS $\varphi=1$	Max load COS $\varphi=1$	12A 250Vac, 12A 24Vdc	0,5A 125Vac, 1A 24Vdc
Carico max COS $\varphi=0,4$	Max load COS $\varphi=0,4$	5A 250Vac, 5A 30Vdc	0,25A 125Vac, 0,5A 24 Vdc
Carico min	Min load	100mA / 5Vdc	10mA / 100mVdc
Δt on	Δt on	7mSec.	7mSec.
Δt off	Δt off	2mSec. dc	3mSec.(dc)
Isolamento cont. bobina	Contact-coil insulation	5KVac	1KVac
Isolamento tra contatti	Insulation between contacts	1KVac	500Vac
Vita meccanica (relè)	Mechanical life (Relays)	20x10 ⁶ cicli / cycles	1x10 ⁶ cicli / cycles
Temperatura di funzionamento	Operating temperature	-25...50° C	
Allacciamento	Connection	Morsetti estraibili / Pluggable terminal blocks	
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²	
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35	

Comandi tramite Morsettiera / Commands using Terminal board

		1 Scambio Potenza 1 Changeover Contact Power		1 Scambio Segnale 1 Changeover Contact Signal		1 NA Potenza 1 NO Contact Power		1 NA Segnale 1 NO Contact Signal		Dim. LxBxH (mm)
Relè Relays	V in V in	Tipo Type	Codice Code	Tipo Type	Codice Code	Tipo Type	Codice Code	Tipo Type	Codice Code	
4	24 Vdc	EMR4X1SCP/24C	31E018050							22,5x113x100
6	24 Vdc	EMR6X1SCP/24C	31E018051	EMR6X1SC/24C	31E018001					22,5x113x100
8	24 Vdc					EMR8X1NAP/24C	31E018052	EMR8X1NA/24C	31E018002	22,5x113x100

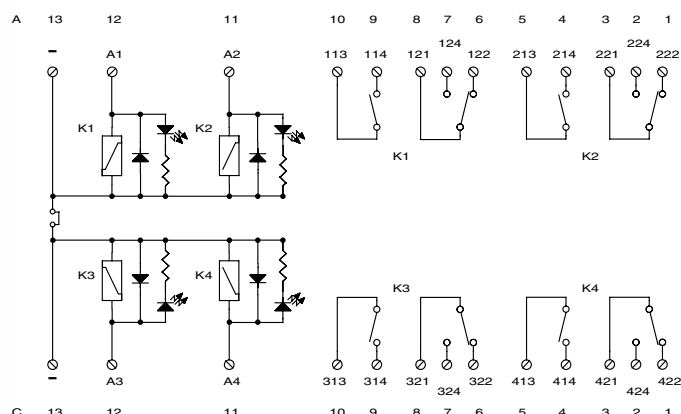
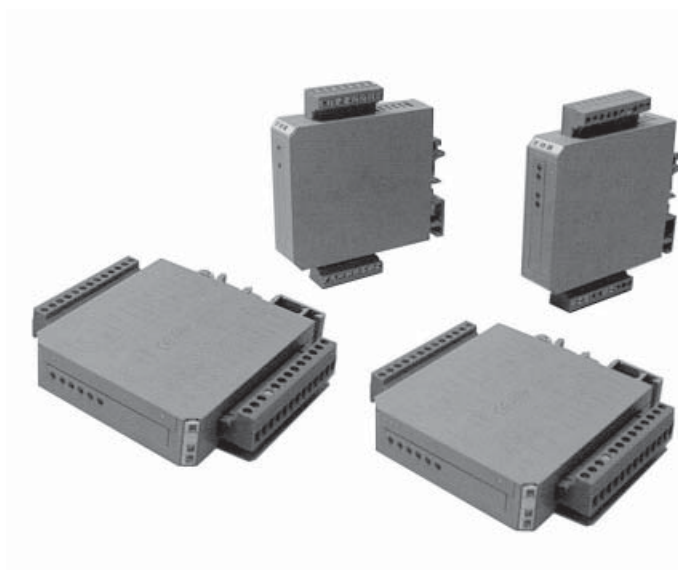
Per **EMR4X1...** fare riferimento allo schema elettrico del **EMR6X1...** eliminando i relè **K3** e **K6**.

For **EMR4X1....** refer to electrical scheme of **EMR6X1....** removing **K3** and **K6** relays.



2 Contatti - In Contenitore da 22,5 mm

2 Contacts - In 22,5 mm Case



○ Morsetti Estraibili
Pluggable Terminal Blocks

2 Contatti Scambio
2 Changeover Contacts
EMR4X2...

Dati tecnici

Specifications

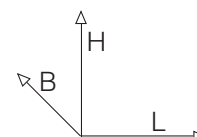
Tipo contatto	Contact type	Potenza / Power	Segnale / Signal
Tensione ingresso	Input voltage	24 Vdc	24 Vdc
Corrente ingresso	Input current	31mA	15mA
Tensione max contatto	Max switching voltage	440Vac - 300Vdc	125Vac - 60Vdc
Corrente nominale	Nominal current	8A	1A
Carico max COS $\varphi=1$	Max load COS $\varphi=1$	8A 250Vac, 8A 30Vdc	0,5A 125Vac, 1A 24Vdc
Carico max COS $\varphi=0,4$	Max load COS $\varphi=0,4$	3A 250Vac, 3A 30 Vdc	0,25A 125Vac, 0,5A 24 Vdc
Carico min	Min load	15mA / 5Vdc	10mA / 100mVdc
Δt on	Δt on	7mSec.	7mSec.
Δt off	Δt off	2mSec. (dc)	3mSec.(dc)
Isolamento cont. bobina	Contact-coil insulation	5KVac	1KVac
Isolamento tra contatti	Insulation between contacts	1KVac	500Vac
Vita meccanica (relè)	Mechanical life (Relays)	20x10 ⁶ cicli / cycles	1x10 ⁶ cicli / cycles
Temperatura di funzionamento	Operating temperature	-25...50° C	
Allacciamento	Connection	Morsetti estraibili / Pluggable terminal blocks	
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²	
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35	

Comandi tramite Morsettiera Commands using Terminal board

2 Scambi Potenza 2 Changeover Contacts Power				2 Scambi Segnale 2 Changeover Contacts Signal		Dim. LxBxH (mm)
Relè Relays	V in V in	Tipo Type	Codice Code	Tipo Type	Codice Code	
4	24 Vdc	EMR4X2SCP/24C	31E018054	EMR4X2SC/24C	31E018004	22,5x113x100

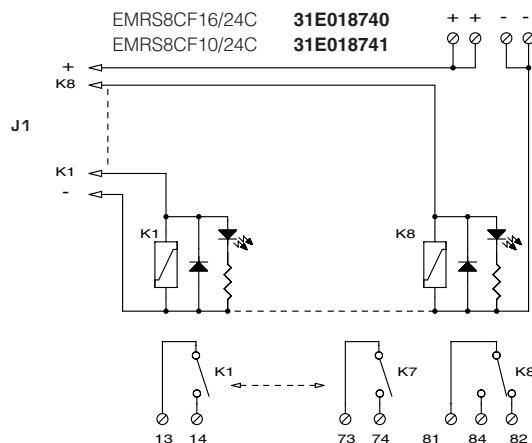
Per **EMR2X2...** fare riferimento allo schema elettrico del **EMR4X2...** eliminando i relè **K2** e **K4**.

For **EMR2X2....** refer to electrical scheme of **EMR4X2....** removing **K2** and **K4** relays.



1 Contatto, Comando Flat - In Contenitore da 22,5 mm

1 Contact, I.D.C. Connector - In 22,5 mm Case



◀ Piedino Connettore Flat / I.D.C. Connector Pin

⊗ Morsetti Estraibili / Pluggable Terminal Blocks

Dati tecnici

Specifications

Tensione ingresso	Input voltage	24 Vdc
Corrente ingresso	Input current	30mA
Tensione max contatto	Max switching voltage	440Vac - 300Vdc
Corrente nominale	Nominal current	12A
Carico max COS $\varphi=1$	Max load COS $\varphi=1$	12A 250Vac, 12A 24Vdc
Carico max COS $\varphi=0,4$	Max load COS $\varphi=0,4$	5A 250Vac, 5A 30Vdc
Carico min	Min load	5Vdc/100mA
Δt on	Δt on	7mSec.
Δt off	Δt off	2mSec. dc
Isolamento cont. bobina	Contact-coil insulation	5KVac
Isolamento tra contatti	Insulation between contacts	1KVac
Vita meccanica (relè)	Mechanical life (Relays)	20x10 ⁶ cicli / cycles
Temperatura di funzionamento	Operating temperature	-25...50° C
Allacciamento	Connection	Morsetti estraibili / Pluggable terminal blocks
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

Comandi tramite Flat (16 poli) Commands using I.D.C. Connector (16 ways)

Relè Relays	Tipo Type	Codice Code	Dim. LxBxH (mm)
----------------	--------------	----------------	----------------------

8 EMRS8CF16/24C **31E018740** 22,5x120x112

Relè / Relays J1

K1	16
K2	14
K3	12
K4	10
K5	8
K6	6
K7	4
K8	2
+24V	9,11,13,15
0V	1,3,5,7

Comandi tramite Flat (10 poli) Commands using I.D.C. Connector (10 ways)

Relè Relays	Tipo Type	Codice Code	Dim. LxBxH (mm)
----------------	--------------	----------------	----------------------

8 EMRS8CF10/24C **31E018741** 22,5x120x112

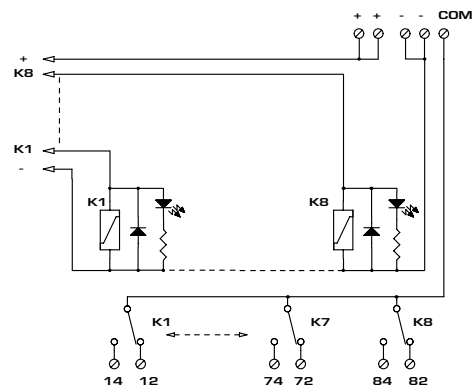
8 EMRS8SCF10/24C **31E018752** 22,5x120x112

4 EMRS4SCF10/24C **31E018753** 22,5x120x112

Relè / Relays J1

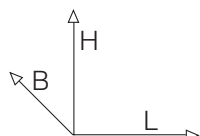
K1	3
K2	4
K3	5
K4	6
K5	7
K6	8
K7	9
K8	10
+24V	1
0V	2

EMRS8SCF10/24C **31E018752**
EMRS4SCF10/24C **31E018753** (K1...K4)



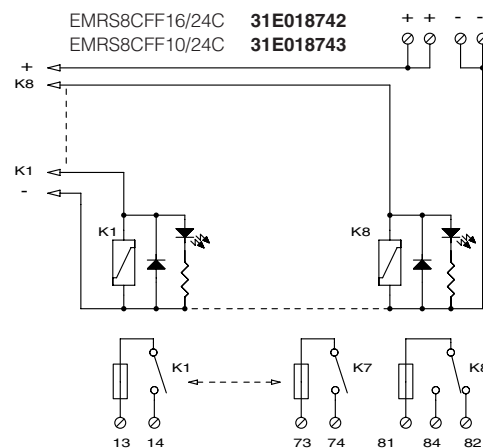
◀ Piedino Connettore Flat / I.D.C. Connector Pin

⊗ Morsetti Estraibili / Pluggable Terminal Blocks



1 Contatto Protetti, Comando Flat - In Contenitore da 22,5 mm

1 Contact with Protection, I.D.C. Connector - In 22,5 mm Case



← Piedino Connettore Flat / I.D.C. Connector Pin

⊗ Morsetti Estraibili / Pluggable Terminal Blocks

Dati tecnici

Specifications

Tensione ingresso	Input voltage	24 Vdc
Corrente ingresso	Input current	30mA
Tensione max contatto	Max switching voltage	440Vac, 300Vdc
Corrente nominale	Nominal current	12A
Carico max COS φ=1	Max load COS φ=1	12A 250Vac, 12A 24Vdc
Carico max COS φ=0,4	Max load COS φ=0,4	5A 250Vac, 5A 30Vdc
Carico min	Min load	5Vdc/100mA
Δt on	Δt on	7mSec.
Δt off	Δt off	2mSec. dc
Isolamento cont. bobina	Contact-coil insulation	5KVac
Isolamento tra contatti	Insulation between contacts	1KVac
Vita meccanica (relè)	Mechanical life (Relays)	20x10 ⁶ cicli / cycles
Fusibile	Fuse	Poliswitch 2 A
Temperatura di funzionamento	Operating temperature	-25...50° C
Allacciamento	Connection	Morsetti estraibili / Pluggable terminal blocks
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

Comandi tramite Flat (16 poli)

Commands using I.D.C. Connector (16 ways)

Relè Relays	Tipo Type	Codice Code	Dim. LxBxH (mm)
8	EMRS8CFF16/24C	31E018742	22,5x120x112

Relè / Relays

J1

K1	16
K2	14
K3	12
K4	10
K5	8
K6	6
K7	4
K8	2
+24V	9,11,13,15
0V	1,3,5,7

Comandi tramite Flat (10 poli)

Commands using I.D.C. Connector (10 ways)

Relè Relays	Tipo Type	Codice Code	Dim. LxBxH (mm)
8	EMRS8CFF10/24C	31E018743	22,5x120x112
8	EMRS8SCFF10/24C	31E018744	22,5x120x112
4	EMRS4SCFF10/24C	31E018749	22,5x120x112

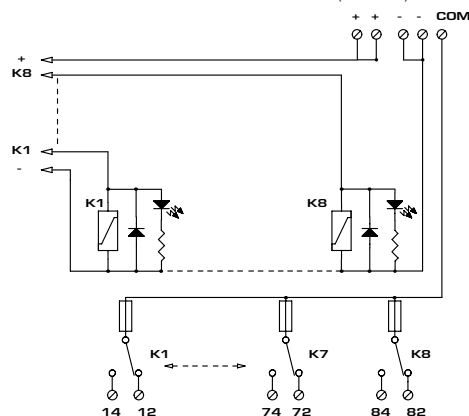
Relè / Relays

J1

K1	3
K2	4
K3	5
K4	6
K5	7
K6	8
K7	9
K8	10
+24V	1
0V	2

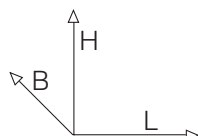
EMRS8SCFF10/24C 31E018744

EMRS4SCFF10/24C 31E018749 (K1...K4)



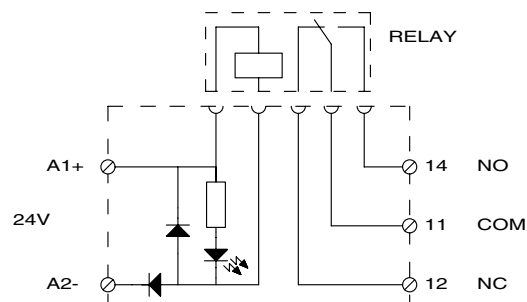
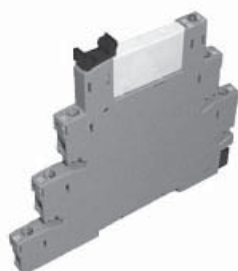
← Piedino Connettore Flat / I.D.C. Connector Pin

⊗ Morsetti Estraibili / Pluggable Terminal Blocks



Singolo da 6,2 mm - 1 Contatto Scambio 6 A

Single 6,2 mm - 1 Changeover Contact 6 A



⊗ Morsetti a vite / Screw Terminal Blocks

Dati tecnici

Specifications

Tensione ingresso	Input voltage	24 Vac/dc $\pm 10\%$
Corrente ingresso	Input current	9,4mA $\pm 10\%$
Tensione max contatto	Max switching voltage	400Vac
Corrente nominale	Nominal current	6A
Carico max COS $\varphi=1$	Max load COS $\varphi=1$	1500VA
Carico max COS $\varphi=0,4$	Max load COS $\varphi=0,4$	300VA
Carico min	Min load	500mW (12V / 10mA)
Δt on	Δt on	7mSec.
Δt off	Δt off	11mSec.
Isolamento cont. bobina	Contact-coil insulation	4KVac
Isolamento tra contatti	Insulation between contacts	1KVac
Vita meccanica (relè)	Mechanical life (Relays)	10x10 ⁶ cicli / cycles
Temperatura di funzionamento	Operating temperature	-25...50° C
Grado di protezione	Protection category	IP20
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

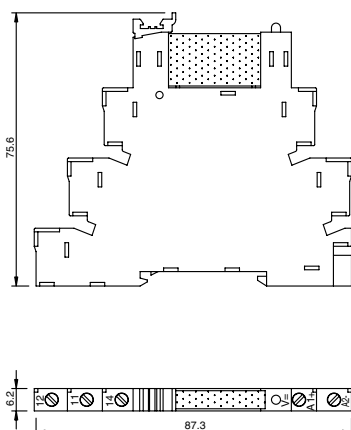
Relè 1 Contatto in Scambio 1 Changeover Contact Relays

Tipo Type	Codice Code	Dim. LxBxH (mm)
EMR61SC/24C	31E018751	6,2x87,3x75,6

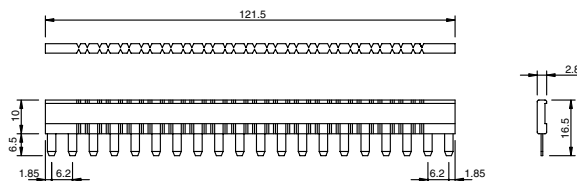
Accessori Accessories

Tipo Type	Codice Code	Descrizione Description
EP20	31E018758	Pettine a 20 poli 20 ways kumper link
ESP	31E018757	Divisore plastico Plastic separator
CTT64	31E018759	Foglio targhette neutre 64 pcs. Sheet of white marker tags 64 pcs.

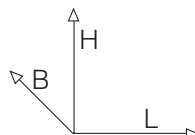
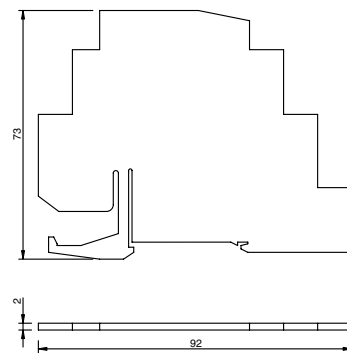
EMR6....



EP20



ESP





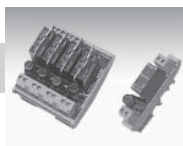
4 - Moduli Statici

4 - Solid-State Modules



Uscita 2 A
2 A Output

4/1



Uscita 2 A con Protezione
2 A Output with Protection

4/2



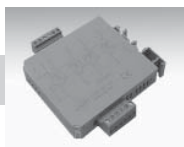
Uscita 3 A
3 A Output

4/3



Uscita 3 A con Protezione
3 A Output with Protection

4/4



4 - 8 Gruppi - In Contenitore da 22,5 mm
4 - 8 Groups - In 22,5 mm Case

4/5



Singolo - In Contenitore da 22,5 mm
Single - In 22,5 mm Case

4/6



Uscita 6 A con Protezione
6 A Output with Protection

4/7



Uscite DC/AC 2 A - In Contenitore da 35 mm
DC/AC 2 A Output - In 35 mm Case

4/8

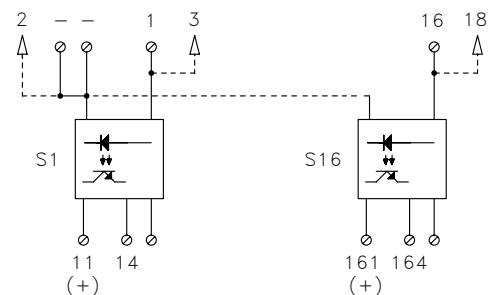
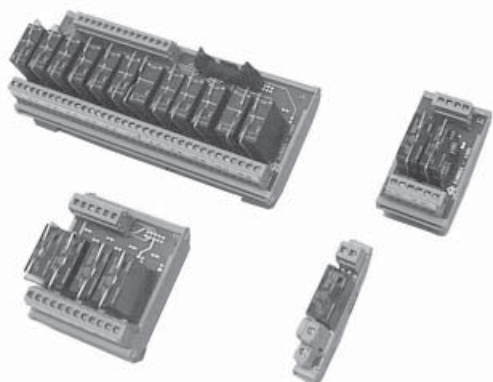
E' possibile avere alcuni prodotti del catalogo con morsetti diversi da quelli standard indicati (tipo a vite) e precisamente il tipo a molla ed il tipo estraibile. Per codici ed informazioni tecniche rivolgersi in sede.

For some products is possible to change the standard screw terminal blocks choosing pluggable terminal blocks or screwless terminal blocks. Please contact us for codes and technical information.



Uscita 2 A

2 A Output



Piedino Connettore Flat / I.D.C. Connector Pin
 Morsetti a vite / Screw Terminal Blocks

Dati tecnici

Specifications

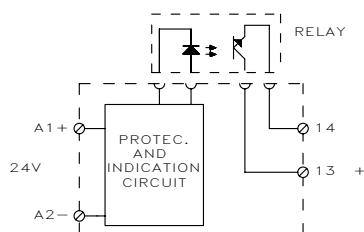
Uscita	Outout	DC	AC
Tensione ingresso	Input voltage	24 Vdc $\pm$ 10%	24 Vdc $\pm$ 10%
Corrente ingresso	Input current	16 mA	16 mA
Carico	Load	50 Vdc 2 A	250 Vac 2 A
Isolamento in-out	In-out Insulation	4KVac	
Temperatura di funzionamento	Operating temperature	-25...50° C	
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks	
Sezione cavi flessibili	Fine-wired section	max 1,5 mm ²	
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35	
Relè per ricambi	Spare relay	41E017888	41E017889

Comandi tramite Morsettiera Commands using Terminal board

Relè Relays	Uscita DC DC Output			Uscita AC AC Output		
	Tipo Type	Codice Code	Dim. LxBxH [mm]	Tipo Type	Codice Code	Dim. LxBxH [mm]
1	EMOSSC1S/O	41E017940	12,5x82x58	EMOSSA1S/O	41E017960	12,5x82x58
2	EMOSSC2Z/O	41E017951	45x82x67			
4	EMOSSC4Z/O	41E017952	68x82x67			
8	EMOSSC8Z/O	41E017954	135x82x67			

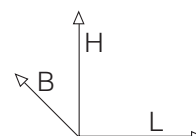
EMOSS...S/... Relè Saldati / Soldered Relays
EMOSS...Z/... Relè Zoccolati / Socketed Relays

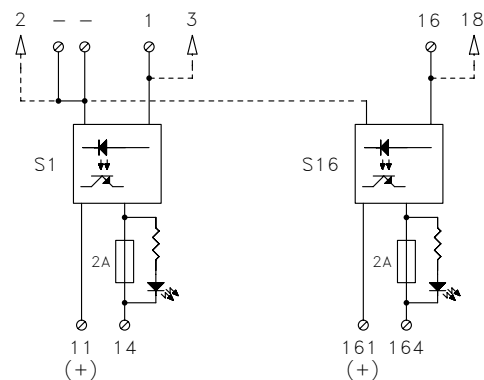
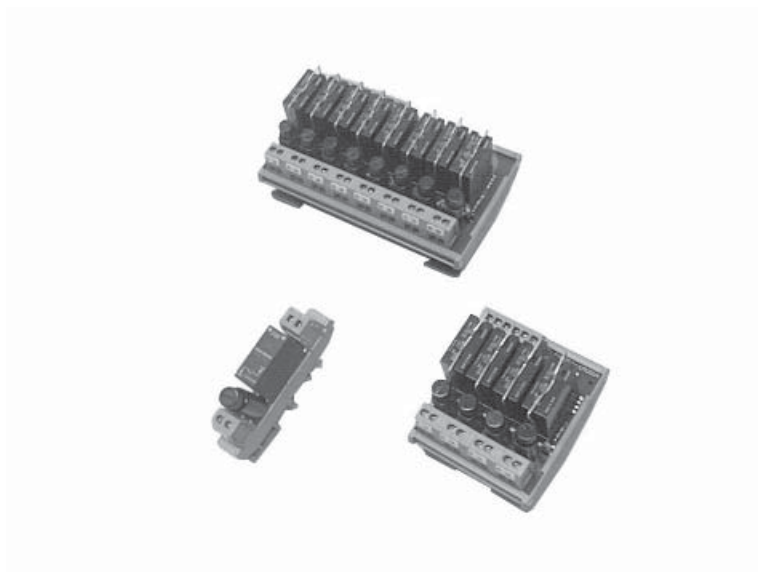
Singolo da 6,2 mm -1 Contatto 2 A 24 Vdc
 Single 6,2 mm - 1 Contact 2 A 24 Vdc



Morsetti a vite / Screw Terminal Blocks

Uscita DC - 2 A DC Output - 2 A		
Tipo Type	Codice Code	Dim. LxBxH [mm]
EMRSS61NA/24C	41E017950	6,2x87,3x75,6





Piedino Connettore Flat / I.D.C. Connector Pin
 Morsetti a vite / Screw Terminal Blocks

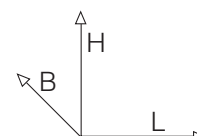
Dati tecnici

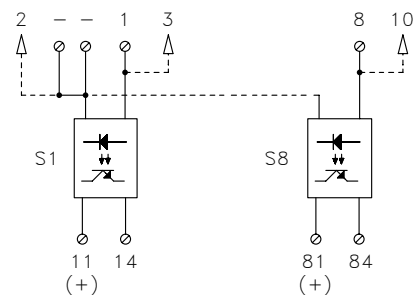
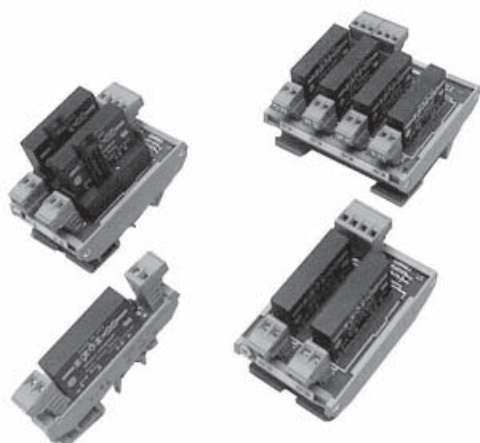
Specifications

Uscita	Output	DC
Tensione ingresso	Input voltage	24 Vdc $\pm$ 10%
Corrente ingresso	Input current	16 mA
Carico	Load	50 Vdc 2 A
Isolamento in-out	In-out Insulation	4KVac
Temperatura di funzionamento	Operating temperature	-25...50° C
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks
Sezione cavi flessibili	Fine-wired section	max 1,5 mm ²
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35
Relè per ricambi	Spare relay	41E017888

Comandi tramite Morsettiera Commands using Terminal board

Relè Relays	Uscita DC DC Output		
	Tipo Type	Codice Code	Dim. LxBxH (mm)
1	EMOSPC1S/O	41E017900	12,5x82x58
4	EMOSPC4Z/O	41E017912	68x82x67
8	EMOSPC8Z/O	41E017914	135x82x67





◁ Piedino Connettore Flat / I.D.C. Connector Pin
 ○ Morsetti estraibili / Pluggable Terminal Blocks

Dati tecnici

Specifications

Uscita	Outout	DC	AC
Tensione ingresso	Input voltage	24 Vdc ± 10%	24 Vdc ± 10%
Corrente ingresso	Input current	18 mA	18 mA
Carico	Load	60 Vdc 3 A	280 Vac 3 A
Isolamento in-out	In-out Insulation	4KVac	
Temperatura di funzionamento	Operating temperature	-25...50° C	
Allacciamento	Connection	Morsetti estraibili / Pluggable terminal blocks	
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²	
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35	
Relè per ricambi	Spare relay	41E018084	41E018085

 Comandi tramite Morsettiera
 Commands using Terminal board

Relè Relays	Uscita DC DC Output			Uscita AC AC Output		
	Tipo Type	Codice Code	Dim. LxBxH (mm)	Tipo Type	Codice Code	Dim. LxBxH (mm)
1	EMOSSC1S/3	41E018040	12,5x82x50	EMOSSA1S/3	41E018060	12,5x82x50
2	EMOSSC2S/3	41E018041	53x82x50			
4	EMOSSC4Z/3	41E018052	92x82x75			

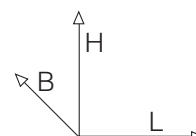
EMOSS...S/3...

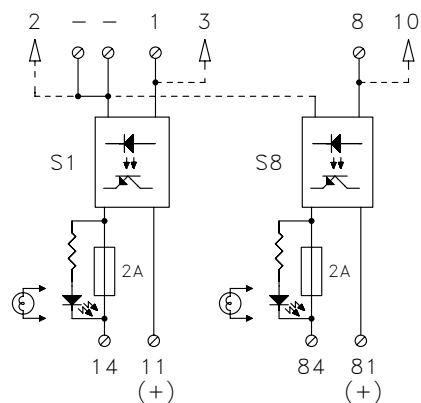
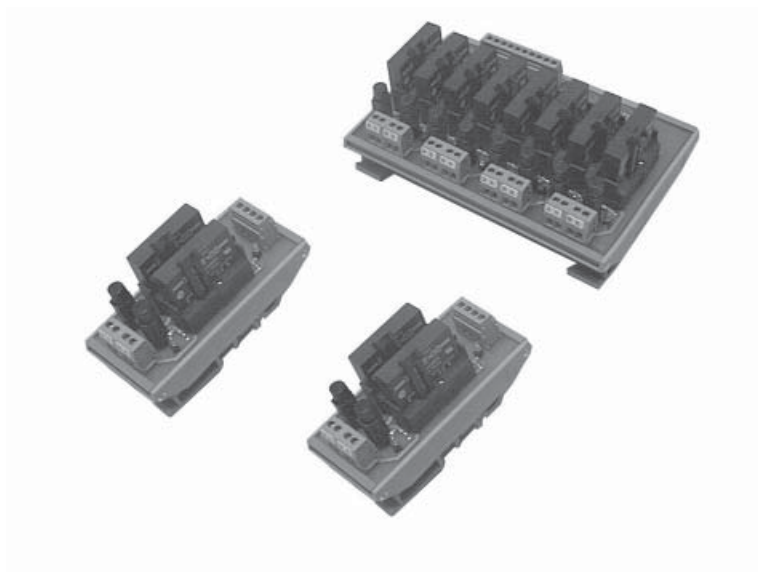
Relè Saldati / Soldered Relays

EMOSS...Z/3...

Relè Zoccolati / Socketed Relays

Per tensioni di ingresso diverse contattare la Sede. / Please contact us for different input voltages.





◁ Piedino Connettore Flat / I.D.C. Connector Pin

⊗ Morsetti a vite / Screw Terminal Blocks

Dati tecnici

Specifications

Uscita	Outout	DC	AC
Tensione ingresso	Input voltage	24 Vdc ± 10%	24 Vdc ± 10%
Corrente ingresso	Input current	18 mA	18 mA
Carico	Load	60 Vdc 3 A	280 Vac 3 A
Isolamento in-out	In-out Insulation		4KVac
Temperatura di funzionamento	Operating temperature		-25...50° C
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks	
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²	
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35	
Relè per ricambi	Spare relay	41E018084	41E018085

Comandi tramite Morsettiera Commands using Terminal board

Relè Relays	Uscita DC DC Output			Uscita AC AC Output		
	Tipo Type	Codice Code	Dim. LxBxH (mm)	Tipo Type	Codice Code	Dim. LxBxH (mm)
1	EMOSPC1S/3C *	41E017987	12,5x82x50	EMOSPA1S/3C *	41E017997	12,5x82x50
2	EMOSPC2Z/3	41E018011	57x118x75	EMOSPA2Z/3	41E018031	57x118x75
4	EMOSPC4Z/3	41E018012	92x118x75			
8	EMOSPC8Z/3	41E018014	180x118x75			

EMOSP...S/3...

Relè Saldati / Soldered Relays

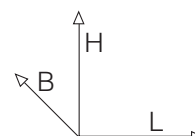
EMOSP...Z/3...

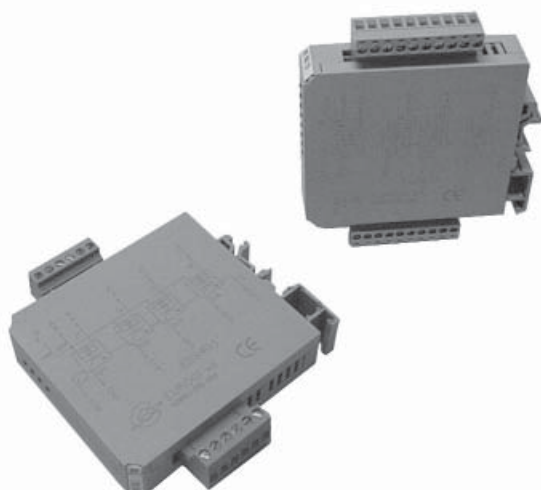
Relè Zoccolati / Socketed Relays

* **EMOSP...1S/3C.**

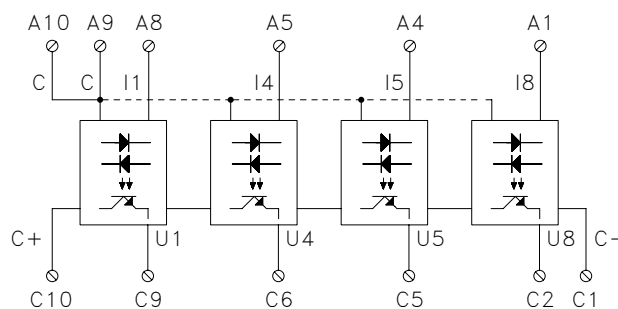
Morsetti Estraibili / Pluggable terminal blocks

Per tensioni di ingresso diverse contattare la Sede / Please contact us for different input voltages.





ESS801/P - 41E016712



⌀ Morsetti estraibili / Pluggable Terminal Blocks

Dati tecnici

Specifications

Tensione ingresso	Input voltage	5 ... 30 Vdc
Max assorbimento ingresso	Max input absorption	5 ... 10 mA
Alimentazione uscita (C+, C-)	Output power supply (C+, C-)	30 Vdc max
Max carico in uscita	Max output load	100 mA
Temperatura di funzionamento	Operating temperature	-25...50° C
Allacciamento	Connection	Morsetti a estraibili / Pluggable terminal blocks
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

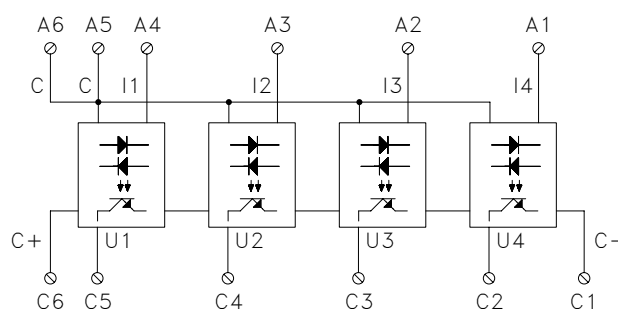
4 Gruppi - Ingresso NPN/PNP
4 Groups - NPN/PNP Input

Uscita Output	Tipo Type	Codice Code	Dim. LxBxH (mm)	Carico max Max charge
PNP	ESS401/P	41E016710	22,5x113x100	100 mA
NPN	ESS401/N	41E016711	22,5x113x100	100 mA

8 Gruppi - Ingresso NPN/PNP
8 Groups - NPN/PNP Input

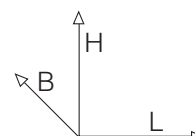
Tipo Type	Codice Code	Dim. LxBxH (mm)	Carico max Max charge
ESS801/P	41E016712	22,5x113x100	100 mA
ESS801/N	41E016713	22,5x113x100	100 mA

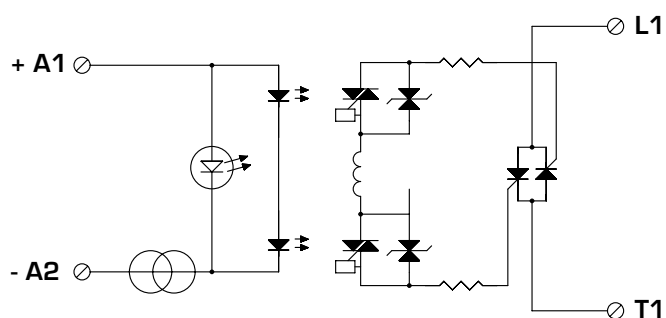
ESS401/N - 41E016711



⌀ Morsetti estraibili / Pluggable Terminal Blocks

Uscita visualizzata / Output displayed





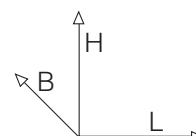
Ø — Morsetti a vite / Screw Terminal Blocks

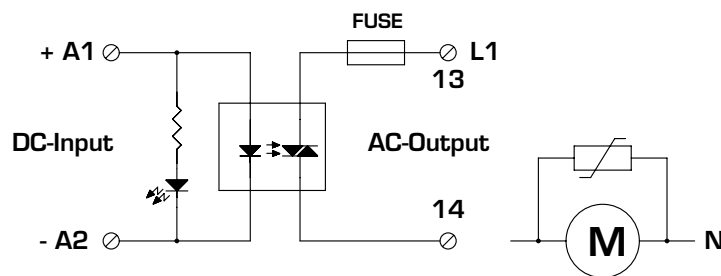
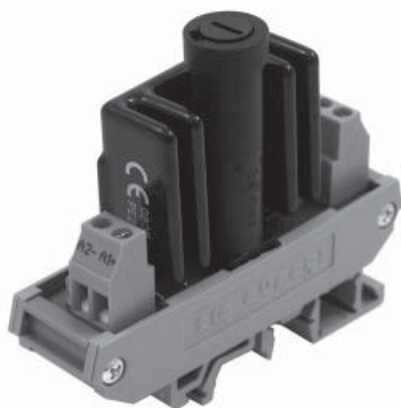
Dati tecnici

Specifications

Uscita	Output	AC
Tensione ingresso	Input voltage	4 - 32 Vdc
Corrente ingresso	Input current	16 mA
Carico	Load	48-600 Vac 20,30 A
Isolamento in-out	In-out Insulation	4KVac
Temperatura di funzionamento	Operating temperature	-20...80° C
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks
Sezione cavi flessibili in / out	Fine-wired section in / out	max 1,5 mm ² / 10 mm ²
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

Uscita AC AC Output			
Amp	Tipo Type	Codice Code	Dim. LxBxH [mm]
20	EMOSSA1/20	41E018038	22,5x120,75x97,8
30	EMOSSA1/30	41E018039	22,5x120,75x97,8





⊗ — Morsetti a vite / Screw Terminal Blocks

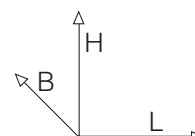
Dati tecnici

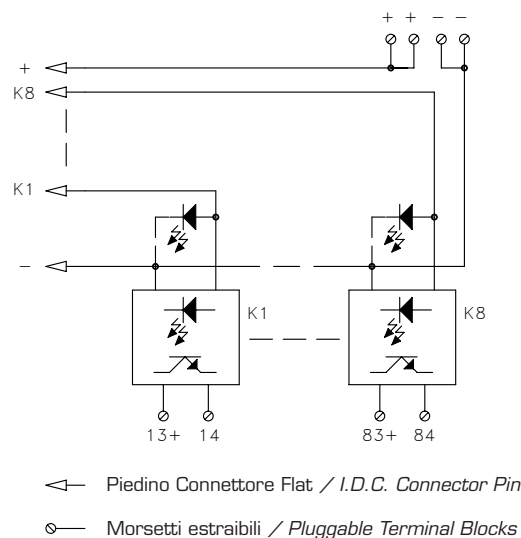
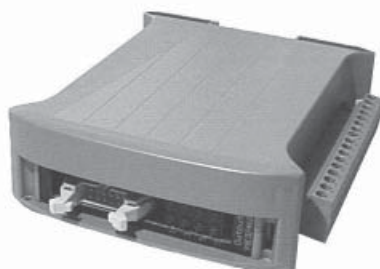
Specifications

Uscita	Output	AC
Tensione ingresso	Input voltage	15 - 32 Vdc
Corrente ingresso	Input current	25 mA
Carico	Load	12-280 Vac 6 A
Fusibile	Fuse	6,3 A
Isolamento in-out	In-out Insulation	2,5kVac
Temperatura di funzionamento	Operating temperature	-30...80° C
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

Uscita AC - 6 A AC Output - 6 A

Tipo Type	Codice Code	Dim. LxBxH (mm)
EMOSPA1S/6	41E018020	21x82x75





Dati tecnici

Specifications

Uscita	Output	DC	AC
Tensione ingresso	Input voltage	24 Vdc $\pm$ 10%	24 Vdc $\pm$ 10%
Corrente ingresso	Input current	16 mA	16 mA
Carico	Load	50 Vdc 2 A	250 Vac 2 A
Isolamento in-out	In-out Insulation	4KVac	
Temperatura di funzionamento	Operating temperature	-25...50° C	
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks	
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²	
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35	

Comandi tramite Flat (10 poli) Commands using I.D.C. Connector (10 poles)

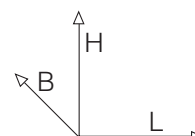
Uscita DC DC Output				Uscita AC AC Output		
Relè Relays	Tipo Type	Codice Code	Dim. LxBxH (mm)	Tipo Type	Codice Code	Dim. LxBxH (mm)
8	ESS820C	41E016709	35x120x112	ESS820A	41E016708	35x120x112
8	ESS820C/F*	41E016707	35x120x112			

* ESS...C/F Con Fusibili/ With fuse

Relè / Relays

J1

K1	3
K2	4
K3	5
K4	6
K5	7
K6	8
K7	9
K8	10
+24V	1
0V	2



5 - Moduli e sistemi di cablaggio per CN

5 - Modules and systems for C.N.C.

CN FANUC
C.N.C. FANUC

5/1

CN OSAI
C.N.C. OSAI

5/20

CN NUM
C.N.C. NUM

5/30

CN SELCA
C.N.C. SELCA

5/40

CN HEIDENHAIN
C.N.C. HEIDENHAIN

5/51

CN ECS
CN ECS

5/61

CN D.ELECTRON
C.N.C. D.ELECTRON

5/72

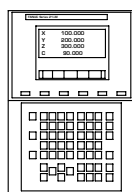
CN SIEMENS 840Di - 802Di PP72/48
C.N.C. SIEMENS 840Di - 802Di PP72/48

5/90

Dati tecnici
Specifications

5/101





FANUC Series 15i/150i
FANUC Series 16i/160i/160is
FANUC Series 18i/180i/180is
FANUC Series 21i/210i/210is
FANUC Series 20i



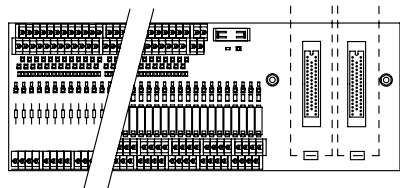
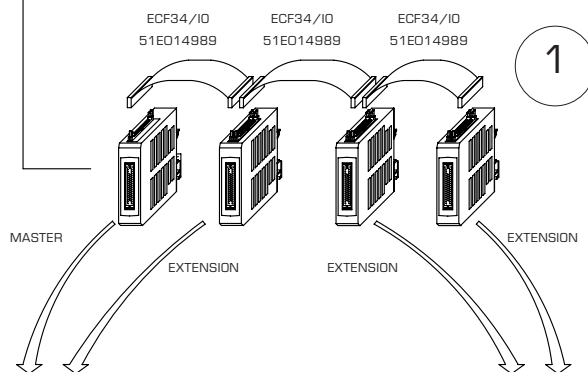
FANUC Power Mate i
MODEL D/H

MASTER (I/O : 24/16)
MASTER (I/O : 24/16 with MPG)

S.N. FANUC A03B-0815-0001
S.N. FANUC A03B-0815-0002

EXTENSION (I/O : 24/16)
EXTENSION (I/O : 16 - 2A)

S.N. FANUC A03B-0815-0003
S.N. FANUC A03B-0815-0004



48 INGRESSI / 32 USCITE - MASTER
48 INPUT / 32 OUTPUT - MASTER

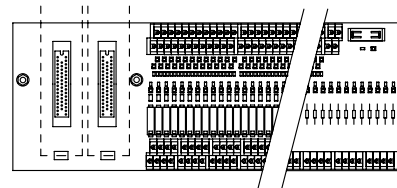
EMFAI48I32OV/M - 51E015118

PAG. 6

48 INGRESSI / 32 USCITE RELE' - MASTER
48 INPUT / 32 OUTPUT RELAYS - MASTER

EMFAI48I32ORZ/M - 51E015128

PAG. 6



48 INGRESSI / 32 USCITE - ESPANSIONE
48 INPUT / 32 OUTPUT - EXTENSION

EMFAI48I32OV/E - 51E015119

PAG. 6

48 INGRESSI / 32 USCITE RELE' - ESPANSIONE
48 INPUT / 32 OUTPUT RELAYS - EXTENSION

EMFAI48I32ORZ/E - 51E015132

PAG. 6

24 INGRESSI / 16 USCITE
24 INPUT / 16 OUTPUT

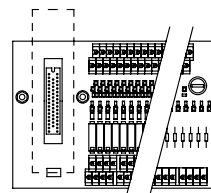
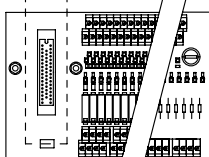
EMFAI24I16OV/S - 51E015103

PAG. 7

24 INGRESSI / 16 USCITE RELE'
24 INPUT / 16 OUTPUT RELAYS

EMFAI24I16OR/S - 51E015104
EMFAI24I16ORZ/S - 51E015105

PAG. 7



24 INGRESSI / 16 USCITE
24 INPUT / 16 OUTPUT

EMFAI24I16OV/S - 51E015103

PAG. 7

24 INGRESSI / 16 USCITE RELE'
24 INPUT / 16 OUTPUT RELAYS

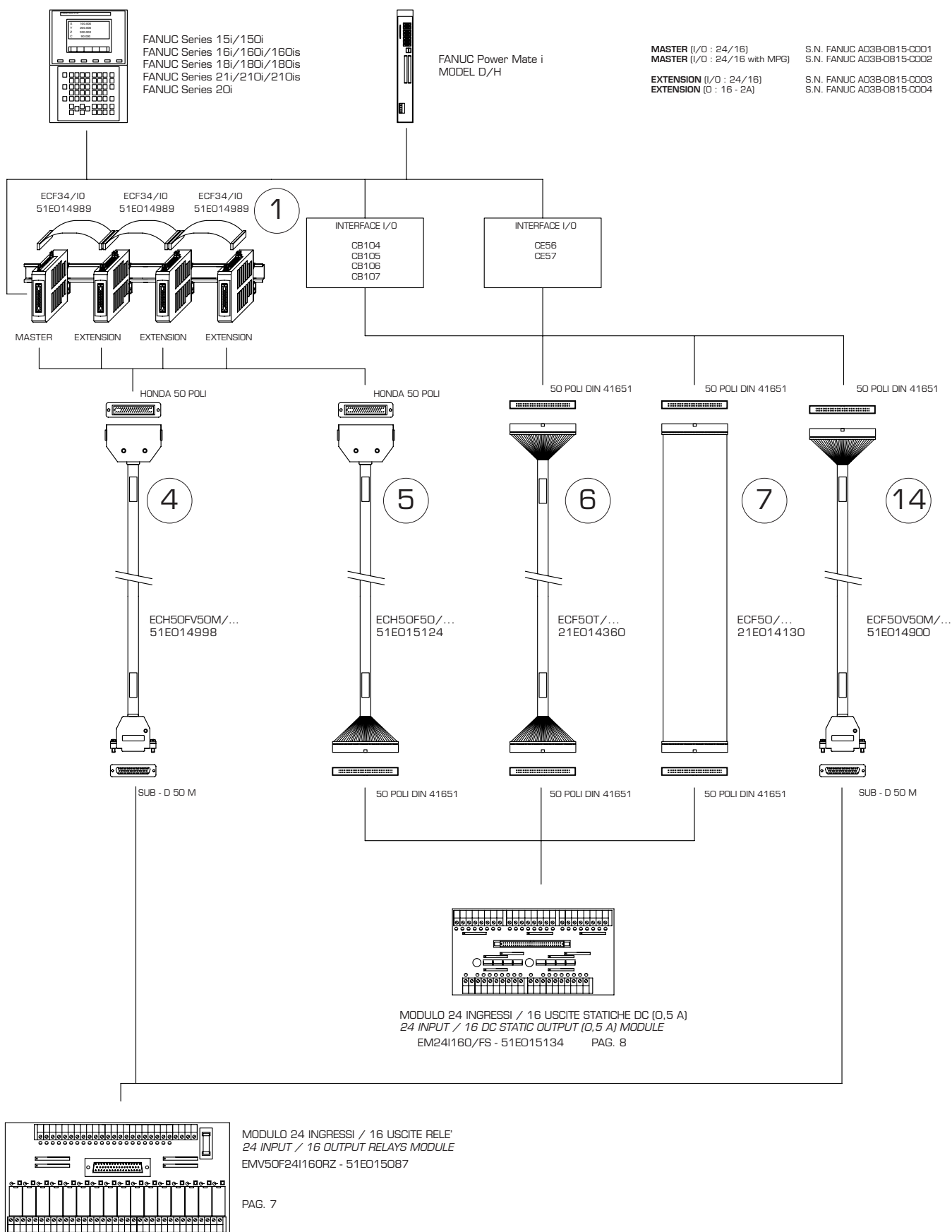
EMFAI24I16OR/S - 51E015104
EMFAI24I16ORZ/S - 51E015105

PAG. 7

1

Per codici e descrizioni dei cavi precablati vedere alla pag. 5.

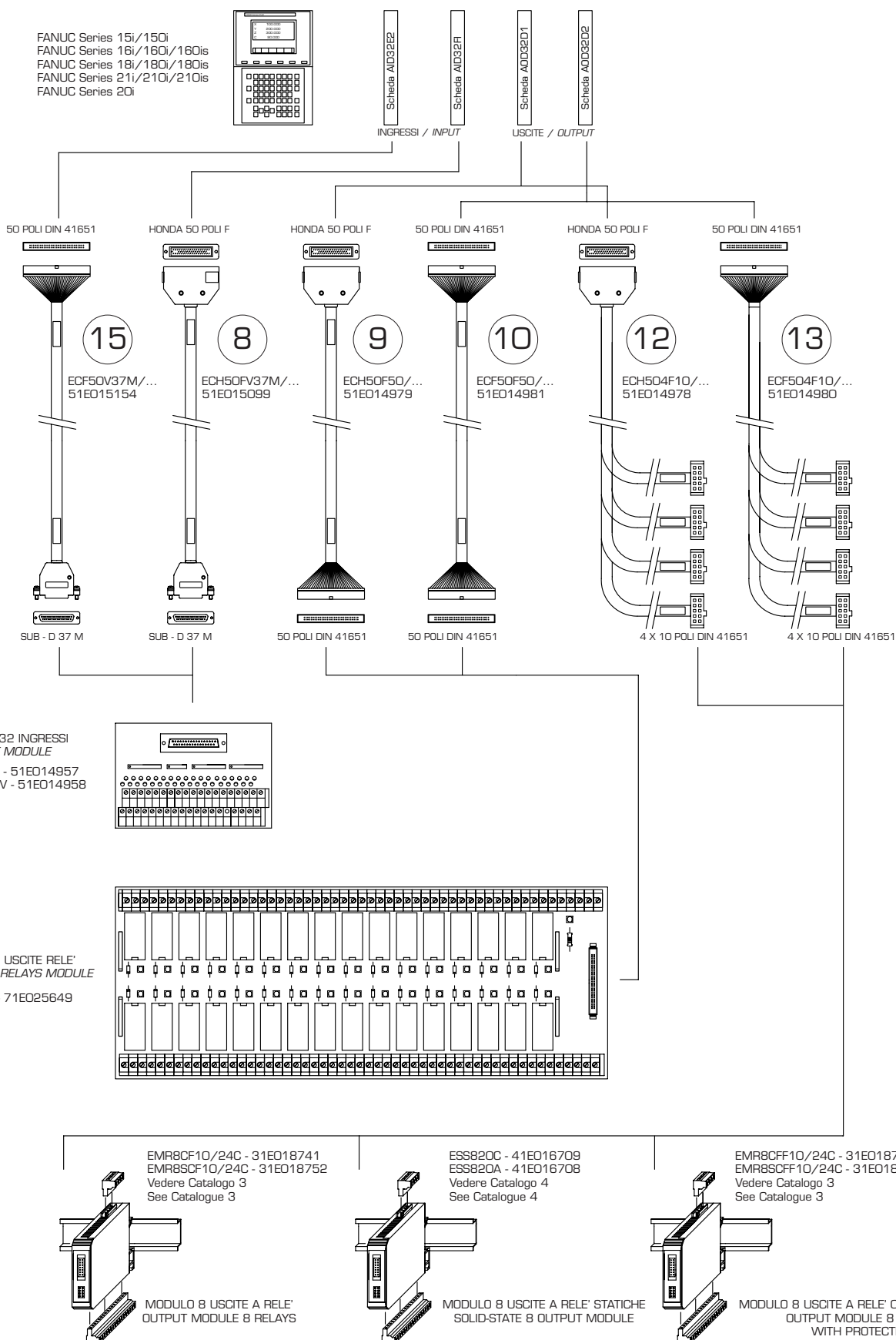
For codes and description of precables assemblies see list on page 5.

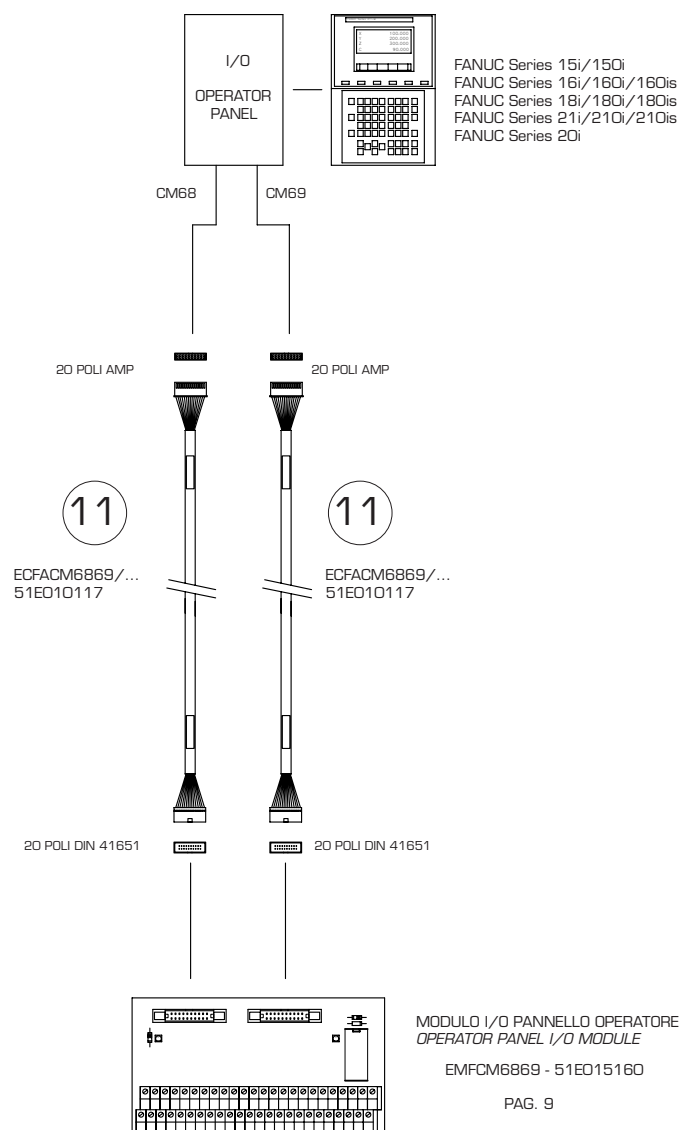


① ⑭

Per codici e descrizioni dei cavi precablati vedere alla pag. 5.

For codes and description of precables assemblies see list on page 5.



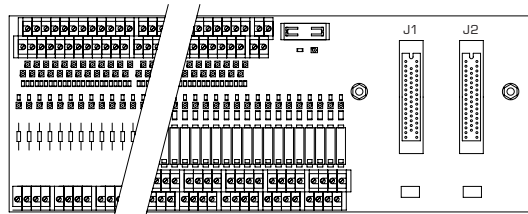


PAG. 9

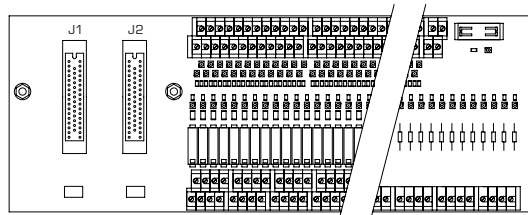
Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type	Versione Version
1 - 1	51E014989	ECF34/IO	Cavo di collegamento per moduli A03B-0815-C00... (CA52) <i>Connection cable for A03B-0815-C00... (CA52) modules</i>
2 - 1	51E014989	ECF34/IO	Cavo di collegamento per moduli A03B-0815-C00... (CA52) <i>Connection cable for A03B-0815-C00... (CA52) modules</i>
2 - 4	51E014998	ECH50FV50M/...	Cavo di collegamento per moduli A03B-0815-C00... (CB150) <i>Connection cable for A03B-0815-C00... (CB150) modules</i>
2 - 5	51E015124	ECH50F50/...	Cavo di collegamento per moduli A03B-0815-C00... (CB150) <i>Connection cable for A03B-0815-C00... (CB150) modules</i>
2 - 6	21E014360	ECF50T/...	Cavo di collegamento per CE56-CE57 <i>Connection cable for CE56-CE57</i>
2 - 7	21E014130	ECF50/...	Cavo di collegamento per CE56-CE57 <i>Connection cable for CE56-CE57</i>
2 - 14	51E014900	ECF50V50M/...	Cavo di collegamento per CE56-CE57 <i>Connection cable for CE56-CE57</i>
3 - 15	51E015154	ECF50V37M/...	Cavo di collegamento per AID32E2 <i>Connection cable for AID32E2</i>
3 - 8	51E015099	ECH50FV37M/...	Cavo di collegamento per AID32FI <i>Connection cable for AID32FI</i>
3 - 9	51E014979	ECH50F50/...	Cavo di collegamento per AOD32D1 <i>Connection cable for AOD32D1</i>
3 - 10	51E014981	ECF50F50/...	Cavo di collegamento per AOD32D2 <i>Connection cable for AOD32D2</i>
3 - 12	51E014978	ECH504F10/...	Cavo di collegamento per AOD32D1 <i>Connection cable for AOD32D1</i>
3 - 13	51E014980	ECF504F10/...	Cavo di collegamento per AOD32D2 <i>Connection cable for AOD32D2</i>
4 - 11	51E010117	ECFACM6869/...	Cavo di collegamento per CM68-CM69 <i>Connection cable for CM68-CM69</i>

48 Ingressi - 32 Uscite

48 Inputs - 32 Outputs

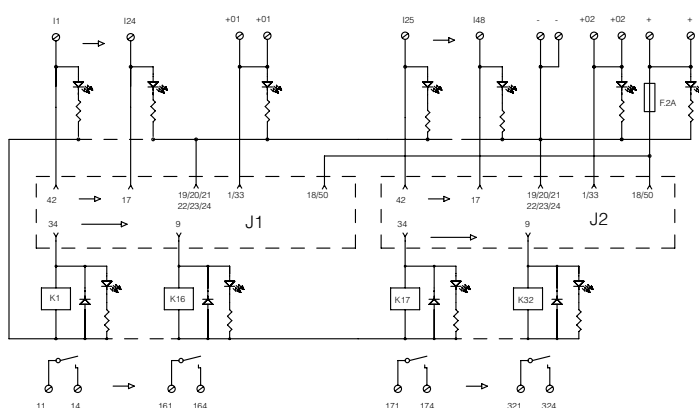


MASTER



EXTENSION

J1=J2= Honda 50 Femmina
 Honda 50 Female
 JP1=JP2= Connettore flat DIN 41651 20 poli
 I.D.C. DIN 41651 connector 20 ways



Segnale Signal	Morsetto T.Blocks	J1
Xn+0.0	I1	42
Xn+0.1	I2	43
Xn+0.2	I3	44
Xn+0.3	I4	45
Xn+0.4	I5	46
Xn+0.5	I6	47
Xn+0.6	I7	48
Xn+0.7	I8	49
Xn+1.0	I9	25
Xn+1.1	I10	26
Xn+1.2	I11	27

Segnale Signal	Morsetto T.Blocks	J1
Xn+1.3	I12	28
Xn+1.4	I13	29
Xn+1.5	I14	30
Xn+1.6	I15	31
Xn+1.7	I16	32
Xn+2.0	I17	10
Xn+2.1	I18	11
Xn+2.2	I19	12
Xn+2.3	I20	13
Xn+2.4	I21	14
Xn+2.5	I22	15

Segnale Signal	Morsetto/Relè T.Blocks/Relays	J1
Xn+2.6	I23	16
Xn+2.7	I24	17
Yn+0.0	O1/K1	34
Yn+0.1	O2/K2	35
Yn+0.2	O3/K3	36
Yn+0.3	O4/K4	37
Yn+0.4	O5/K5	38
Yn+0.5	O6/K6	39
Yn+0.6	O7/K7	40
Yn+0.7	O8/K8	41
Yn+1.0	O9/K9	2

Segnale Signal	Morsetto/Relè T.Blocks/Relays	J1
Yn+1.1	O10/K10	3
Yn+1.2	O11/K11	4
Yn+1.3	O12/K12	5
Yn+1.4	O13/K13	6
Yn+1.5	O14/K14	7
Yn+1.6	O15/K15	8
Yn+1.7	O16/K16	9
0V	OV	19,20,21
DICOM		22,23,24
DOCOM	+01	1,33
+24V	+	18,50

Segnale Signal	Morsetto T.Blocks	J2
Xn+0.0	I25	42
Xn+0.1	I26	43
Xn+0.2	I27	44
Xn+0.3	I28	45
Xn+0.4	I29	46
Xn+0.5	I30	47
Xn+0.6	I31	48
Xn+0.7	I32	49
Xn+1.0	I33	25
Xn+1.1	I34	26
Xn+1.2	I35	27

Segnale Signal	Morsetto T.Blocks	J2
Xn+1.3	I36	28
Xn+1.4	I37	29
Xn+1.5	I38	30
Xn+1.6	I39	31
Xn+1.7	I40	32
Xn+2.0	I41	10
Xn+2.1	I42	11
Xn+2.2	I43	12
Xn+2.3	I44	13
Xn+2.4	I45	14
Xn+2.5	I46	15

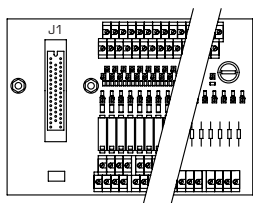
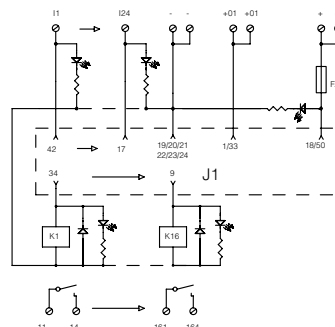
Segnale Signal	Morsetto/Relè T.Blocks/Relays	J2
Xn+2.6	I47	16
Xn+2.7	I48	17
Yn+0.0	O17/K17	34
Yn+0.1	O18/K18	35
Yn+0.2	O19/K19	36
Yn+0.3	O20/K20	37
Yn+0.4	O21/K21	38
Yn+0.5	O22/K22	39
Yn+0.6	O23/K23	40
Yn+0.7	O24/K24	41
Yn+1.0	O25/K25	2

Segnale Signal	Morsetto/Relè T.Blocks/Relays	J2
Yn+1.1	O26/K26	3
Yn+1.2	O27/K27	4
Yn+1.3	O28/K28	5
Yn+1.4	O29/K29	6
Yn+1.5	O30/K30	7
Yn+1.6	O31/K31	8
Yn+1.7	O32/K32	9
0V	OV	19,20,21
DICOM		22,23,24
DOCOM	+02	1,33
+24V	+	18,50

Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMFAI48I32OV/M	51E015118	287 x 118	48 Ingressi - 32 uscite con visualizz. - Master / 48 In - 32 out with display - Master	-
EMFAI48I32OV/E	51E015119	287 x 118	48 Ingressi - 32 uscite con visualizz. - Espansione / 48 In - 32 out with display - Extension	-
EMFAI48I32ORZ/M	51E015128	287 x 118	48 Ingressi - 32 uscite con relè zocc. - Master / 48 In - 32 out with socketed relay - Master	B
EMFAI48I32ORZ/E	51E015132	287 x 118	48 Ingressi - 32 uscite con relè zocc. - Espans. / 48 In - 32 out with socketed relay - Extension	B

24 Ingressi - 16 Uscite

24 Inputs - 16 Outputs

J1 = Honda 50 Femmina
Honda 50 Female

Segnale Signal	Morsetto T.Blocks	J1
Xn+0.0	I1	42
Xn+0.1	I2	43
Xn+0.2	I3	44
Xn+0.3	I4	45
Xn+0.4	I5	46
Xn+0.5	I6	47
Xn+0.6	I7	48
Xn+0.7	I8	49
Xn+1.0	I9	25
Xn+1.1	I10	26
Xn+1.2	I11	27

Segnale Signal	Morsetto T.Blocks	J1
Xn+1.3	I12	28
Xn+1.4	I13	29
Xn+1.5	I14	30
Xn+1.6	I15	31
Xn+1.7	I16	32
Xn+2.0	I17	10
Xn+2.1	I18	11
Xn+2.2	I19	12
Xn+2.3	I20	13
Xn+2.4	I21	14
Xn+2.5	I22	15

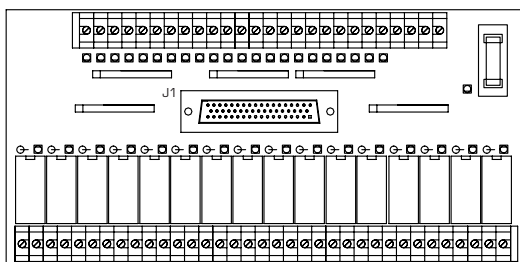
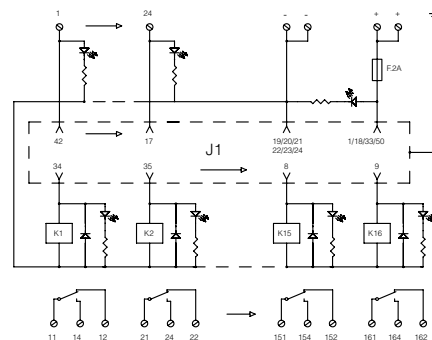
Segnale Signal	Morsetto/Relè T.Blocks/Relays	J1
Xn+2.6	I23	16
Xn+2.7	I24	17
Yn+0.0	O1/K1	34
Yn+0.1	O2/K2	35
Yn+0.2	O3/K3	36
Yn+0.3	O4/K4	37
Yn+0.4	O5/K5	38
Yn+0.5	O6/K6	39
Yn+0.6	O7/K7	40
Yn+0.7	O8/K8	41
Yn+1.0	O9/K9	2

Segnale Signal	Morsetto/Relè T.Blocks/Relays	J1
Yn+1.1	O10/K10	3
Yn+1.2	O11/K11	4
Yn+1.3	O12/K12	5
Yn+1.4	O13/K13	6
Yn+1.5	O14/K14	7
Yn+1.6	O15/K15	8
Yn+1.7	O16/K16	9
0V	OV	19,20,21
DICOM		22,23,24
DOCOM	+01	1,33
+24V	+	18,50

Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMFAI24I16OV/S	51E015103	153 x 118	24 Ingressi - 16 uscite con visualizzazione / 24 Inputs - 16 outputs with display	-
EMFAI24I16OR/S	51E015104	153 x 118	24 Ingressi - 16 uscite con relè saldato / 24 Inputs - 16 outputs with soldered relay	B
EMFAI24I16ORZ/S	51E015105	153 x 118	24 Ingressi - 16 uscite con relè zoccolato / 24 Inputs - 16 outputs with socketed relay	B

24 Ingressi - 16 Uscite con relè

24 Inputs - 16 Outputs with relay

J1 = SUB-D 50 Femmina
SUB-D 50 Ways female

Segnale Signal	Morsetto T.Blocks	J1
Xn+0.0	I1	42
Xn+0.1	I2	43
Xn+0.2	I3	44
Xn+0.3	I4	45
Xn+0.4	I5	46
Xn+0.5	I6	47
Xn+0.6	I7	48
Xn+0.7	I8	49
Xn+1.0	I9	25
Xn+1.1	I10	26
Xn+1.2	I11	27

Segnale Signal	Morsetto T.Blocks	J1
Xn+1.3	I12	28
Xn+1.4	I13	29
Xn+1.5	I14	30
Xn+1.6	I15	31
Xn+1.7	I16	32
Xn+2.0	I17	10
Xn+2.1	I18	11
Xn+2.2	I19	12
Xn+2.3	I20	13
Xn+2.4	I21	14
Xn+2.5	I22	15

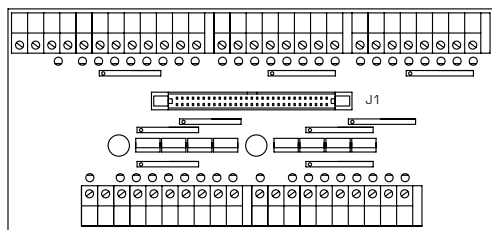
Segnale Signal	Morsetto/Relè T.Blocks/Relays	J1
Xn+2.6	I23	16
Xn+2.7	I24	17
Yn+0.0	K1	34
Yn+0.1	K2	35
Yn+0.2	K3	36
Yn+0.3	K4	37
Yn+0.4	K5	38
Yn+0.5	K6	39
Yn+0.6	K7	40
Yn+0.7	K8	41
Yn+1.0	K9	2

Segnale Signal	Morsetto/Relè T.Blocks/Relays	J1
Yn+1.1	K10	3
Yn+1.2	K11	4
Yn+1.3	K12	5
Yn+1.4	K13	6
Yn+1.5	K14	7
Yn+1.6	K15	8
Yn+1.7	K16	9
0V	OV	19,20,21
DICOM		22,23,24
DOCOM	+24	1,33
+24V		18,50

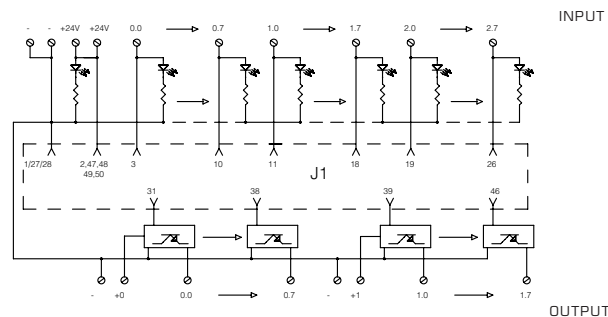
Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMV50F24I16ORZ	51E015087	252 x 118	24 Ingressi - 16 uscite con relè zocc. / 24 Inputs - 16 outputs with socketed relay	A

24 Ingressi - 16 uscite statiche

24 Inputs - 16 static outputs



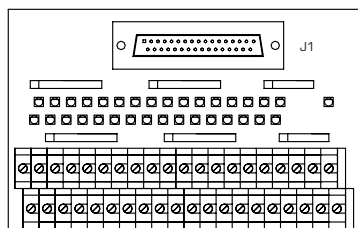
J1= Connettore flat DIN 41651 50 poli
I.D.C. DIN 41651 connector 50 ways



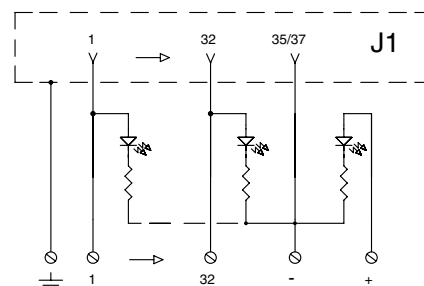
Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version
EM24I160/FS	51E015134	158 x 82	24 Ingressi - 16 uscite statiche (0,5 A) / 24 Inputs - 16 DC static outputs (0,5 A)

32 Ingressi

32 Inputs



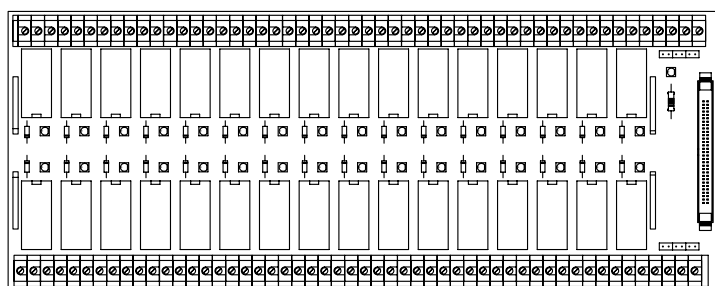
J1= SUB-D 37 Femmina
SUB-D 37 Ways female



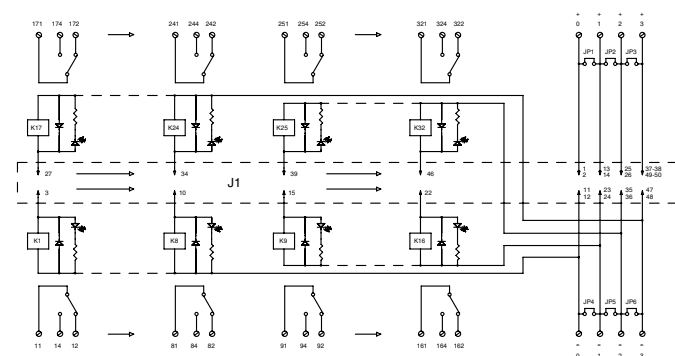
Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version
EDECV37I	51E014957	113 x 82	32 Ingressi / 32 Inputs
EDECV37IV	51E014958	113 x 82	32 Ingressi con visualizzazione / 32 Inputs with display

32 Uscite con relè 1 SC 12 A

32 Outputs with relay 1 C.O. 12 A



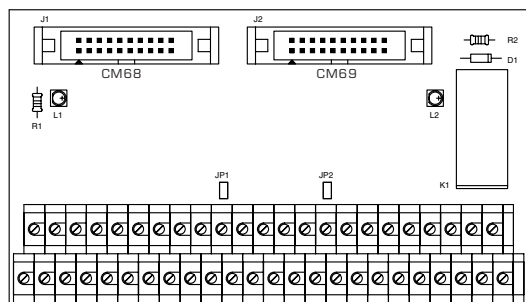
J1= Connettore flat DIN 41651 50 poli
I.D.C. DIN 41651 connector 50 ways



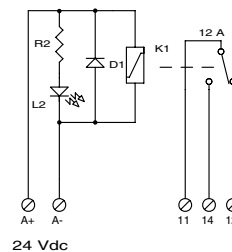
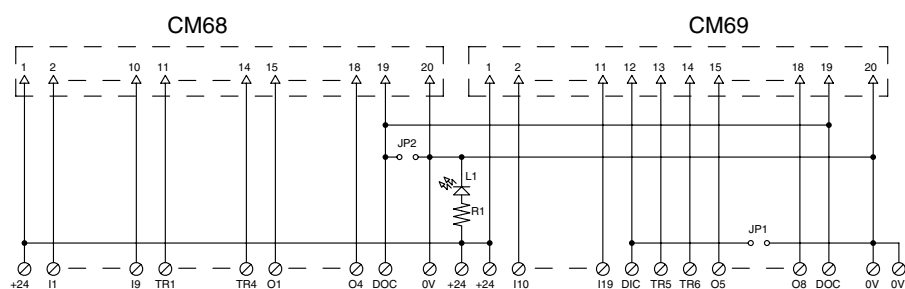
Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMESR32Z	71E025649	284 x 118	32 Uscite a relè 1 SC 12 A / 32 Outputs with relay 1 C.O. 12 A	A

I/O Pannello operatore

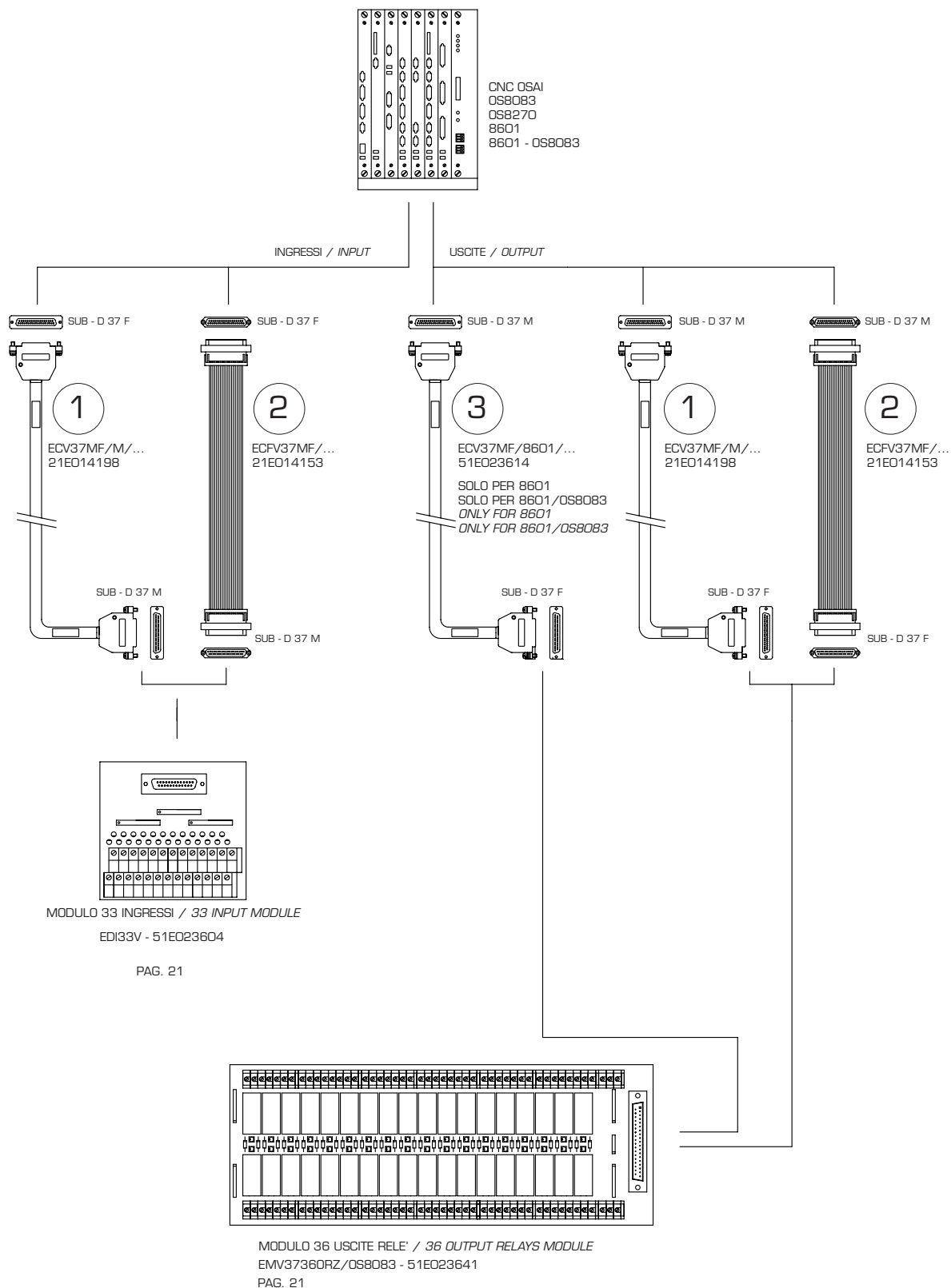
Operator panel I/O



J1 / J2= Connettore flat DIN 41651 20 poli
I.D.C. DIN 41651 connector 20 ways



Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMFCM6869	51E015160	152 x 82	Pannello operatore I/O / Operator panel I/O	A



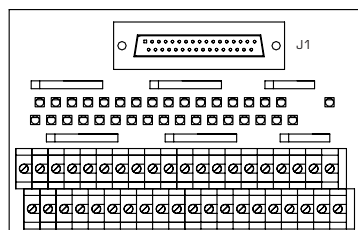
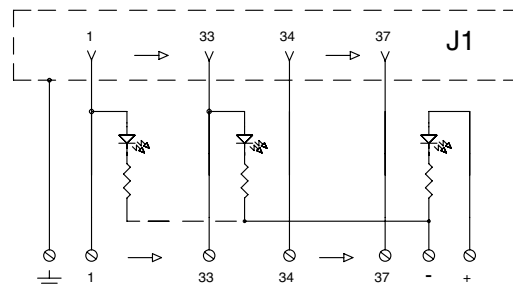
① ③

Per codici e descrizioni dei cavi precablati vedere alla pag. 21.
For codes and description of precables assemblies see list on page 21.

Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type	Versione Version
20 - 1	21E014198	ECV37MF/M/...	Cavo di collegamento OS8083 Connection cable for OS8083
20 - 2	21E014153	ECFV37MF/...	Cavo di collegamento per OS8083 Connection cable for OS8083
20 - 3	51E023614	ECV37MF/8601/...	Cavo di collegamento per 8601/8601-OS8083 Connection cable for 8601/8601-OS8083

33 Ingressi

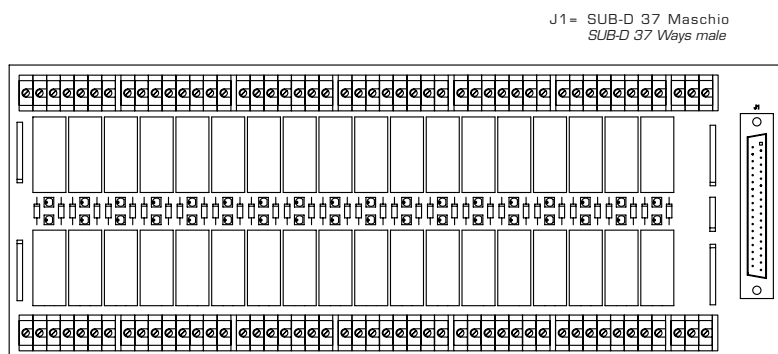
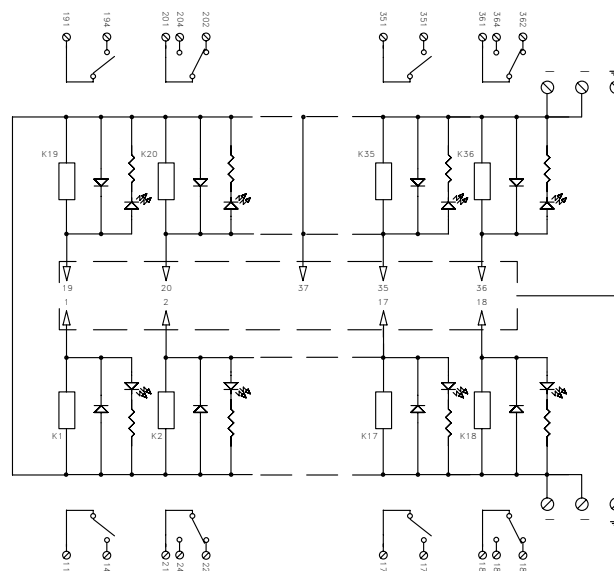
33 Inputs

J1= SUB-D 37 Femmina
SUB-D 37 Ways female

Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version
EDI33V	51E023604	113 x 82	33 Ingressi con visualizzazione / 33 Inputs with display

36 Uscite a relè

36 Outputs with relay

J1= SUB-D 37 Maschio
SUB-D 37 Ways male

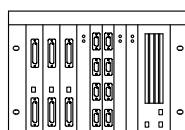
Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMV3736OR/OS8083	51E023640	285 x 118	36 Uscite con relè saldato / 36 Outputs with soldered relay	A
EMV3736ORZ/OS8083	51E023641	285 x 118	36 Uscite con relè zoccolato / 36 Outputs with socketed relay	A

Per caratteristiche tecniche vedere a pag. 101
For technical data see page 101

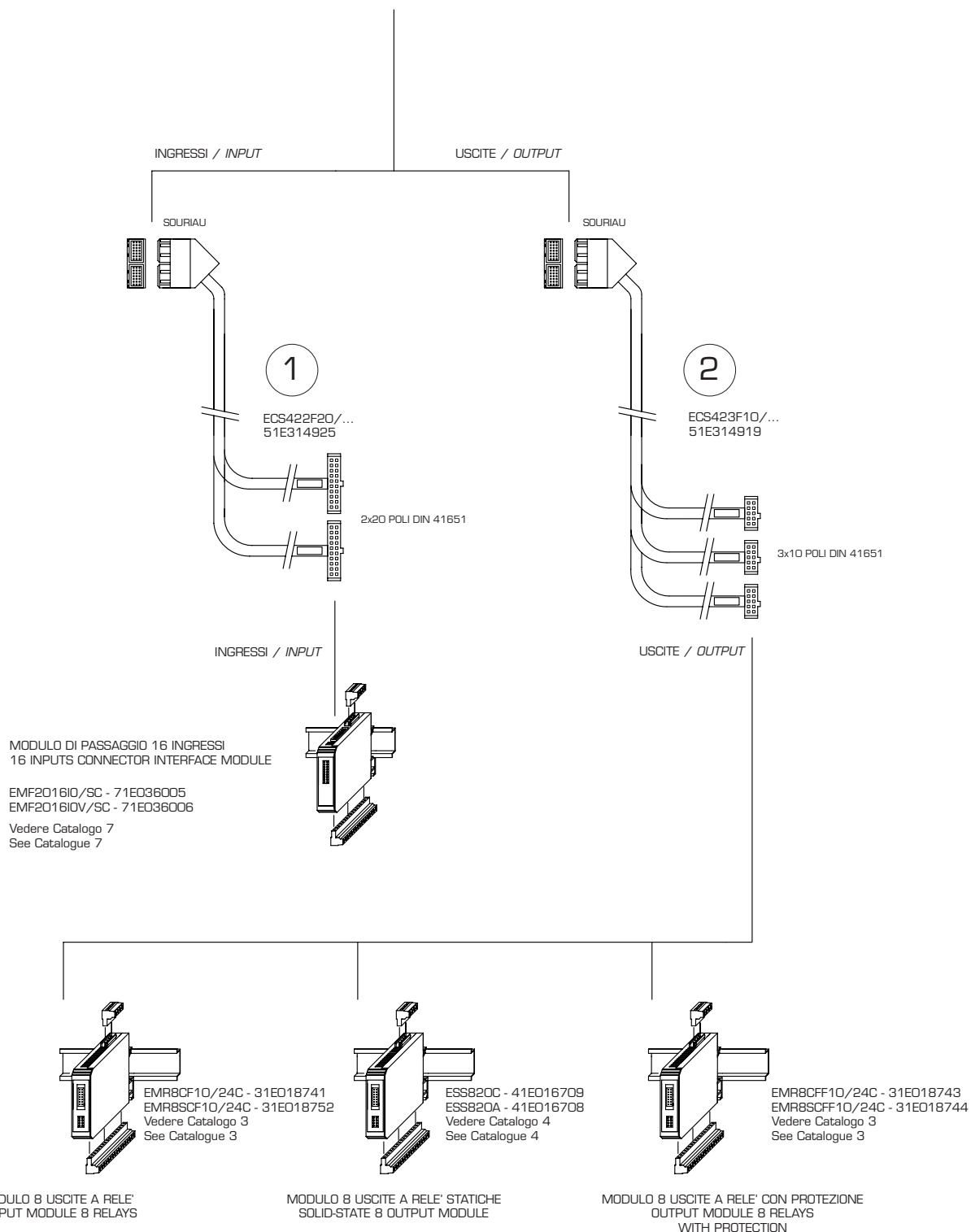
Nelle ordinazioni dopo la "I..." indicare la lunghezza in metri del cavo.

At the time of placing your order please indicate the cable length in meters after the designation "I..." in the type column.

NUM 1020
NUM 1040
AXIUM POWER FIRST
AXIUM POWER ADVANCE

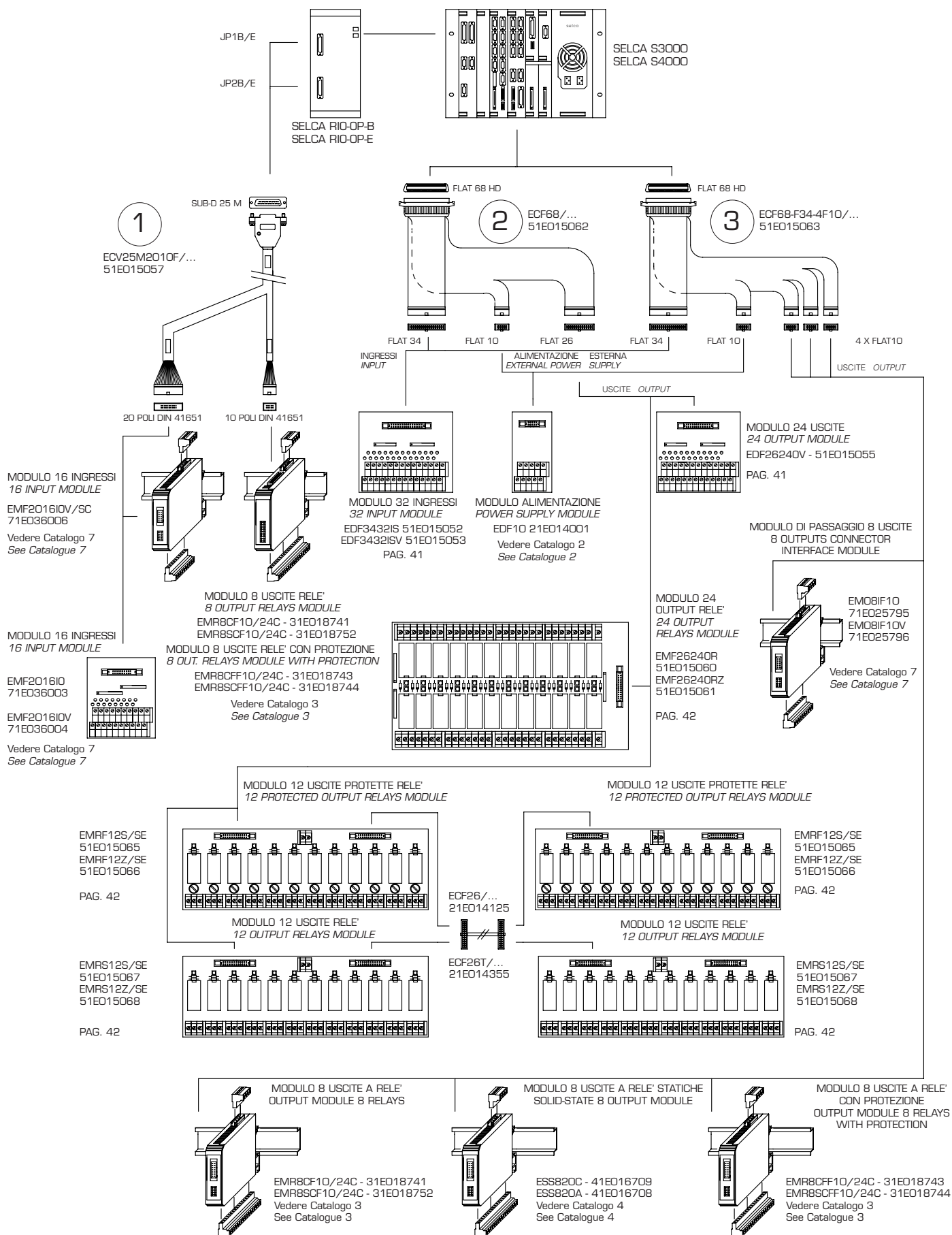


NUM 1060
NUM 1080



① ② Per codici e descrizioni dei cavi precablati vedere alla pag. 31.
For codes and description of precables assemblies see list on page 31.

Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type	Versione Version
31 - 1	51E314925	ECS422F20/...	Cavo di collegamento per ingressi NUM 1060 <i>Connection cable for inputs NUM 1060</i>
31 - 2	51E314919	ECS423F10/...	Cavo di collegamento per uscite NUM 1060 <i>Connection cable for outputs NUM 1060</i>



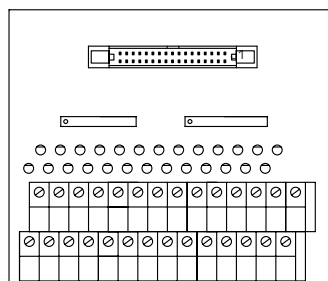
① ③

Per codici e descrizioni dei cavi precablati vedere alla pag. 41.
For codes and description of precables assemblies see list on page 41.

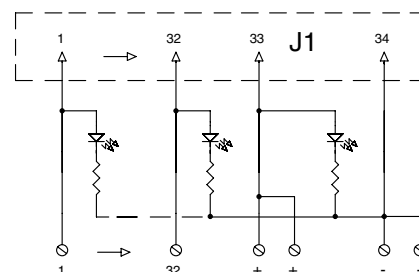
Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type	Versione Version
40 - 1	51E015057	ECV25M2010F/...	Cavo di collegamento per SELCA RIO OP-B / OP-E <i>Connection cable for SELCA RIO OP-B / OP-E</i>
40 - 2	51E015062	ECF68/...	Cavo di collegamento per SELCA S3000 - S4000 <i>Connection cable for SELCA S3000 - S4000</i>
40 - 3	51E015063	ECF68-F34-4F10/...	Cavo di collegamento per SELCA S3000 - S4000 <i>Connection cable for SELCA S3000 - S4000</i>

32 Ingressi

32 Inputs



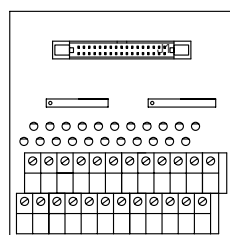
J1= Connettore flat DIN 41651 34 poli
I.D.C. DIN 41651 connector 34 ways



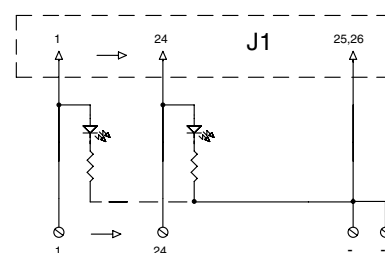
Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version
EDF3432IS	51E015052	113 x 82	32 Ingressi / 32 Inputs
EDF3432ISV	51E015053	113 x 82	32 Ingressi con visualizzazione / 32 Inputs with display

24 Uscite

24 Outputs



J1= Connettore flat DIN 41651 26 poli
I.D.C. DIN 41651 connector 26 ways



Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version
EDF2624OV	51E015055	90 x 82	24 Uscite con visualizzazione / 24 Outputs with display

Per caratteristiche tecniche vedere a pag. 101

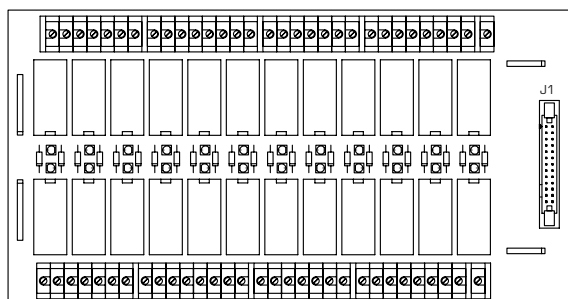
For technical data see page 101

Nelle ordinazioni dopo la "I..." indicare la lunghezza in metri del cavo.

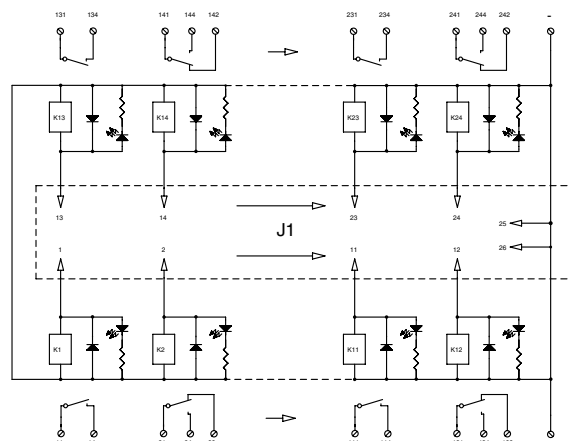
At the time of placing your order please indicate the cable length in meters after the designation "I..." in the type column.

24 Uscite a relè

24 Outputs with relay



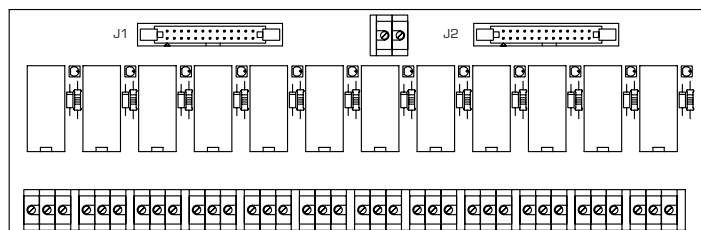
J1= Connettore flat DIN 41651 26 poli
I.D.C. DIN 41651 connector 26 ways



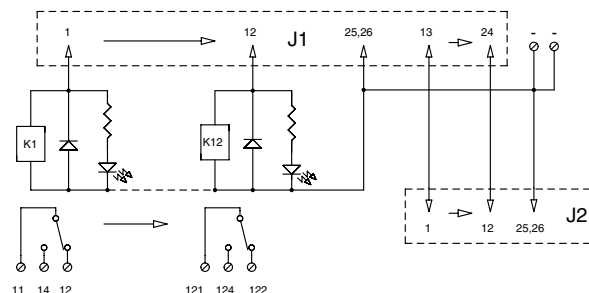
Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMF2624OR	51E015060	232 x 118	24 Uscite con relè saldato / 24 Outputs with soldered relay	A
EMF2624ORZ	51E015061	232 x 118	24 Uscite con relè zoccolato / 24 Outputs with socketed relay	A

12 Uscite a relè

12 Outputs with relay



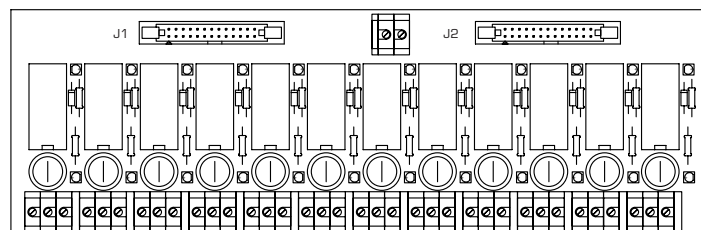
J1=J2= Connettore flat DIN 41651 26 poli
I.D.C. DIN 41651 connector 26 ways



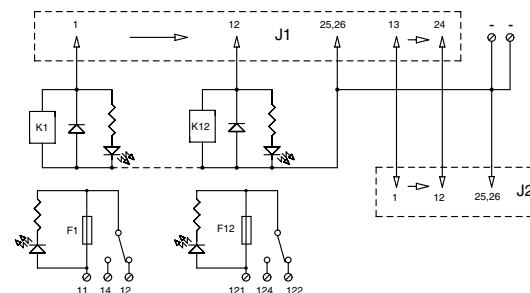
Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMRS12S/SE	51E015067	225 x 82	12 Uscite con relè saldato / 12 Outputs with soldered relay	A
EMRS12Z/SE	51E015068	225 x 82	12 Uscite con relè zoccolato / 12 Outputs with socketed relay	A

12 Uscite protette a relè

12 Protected outputs with relay

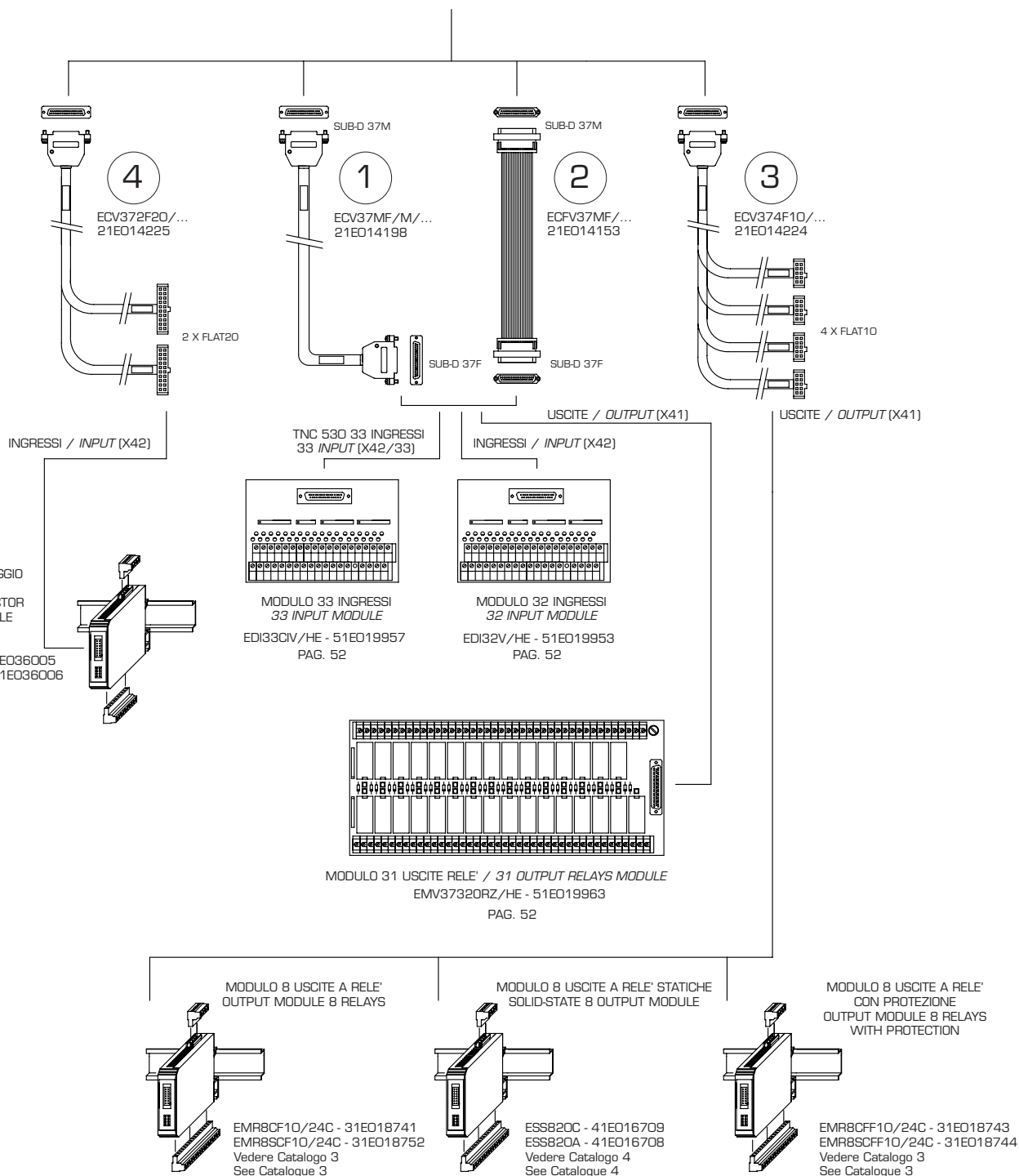
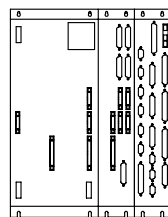


J1=J2= Connettore flat DIN 41651 26 poli
I.D.C. DIN 41651 connector 26 ways



Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMRF12S/SE	51E015065	225 x 82	12 Uscite protette con relè saldato / 12 Outputs with soldered relay	A
EMRF12Z/SE	51E015066	225 x 82	12 Uscite protette con relè zoccolato / 12 Outputs with socketed relay	A

HEIDENHAIN TNC 410
HEIDENHAIN TNC 426
HEIDENHAIN TNC 430
HEIDENHAIN TNC 530
HEIDENHAIN MANUAL plus M



① ④

Per codici e descrizioni dei cavi precablati vedere alla pag. 52.

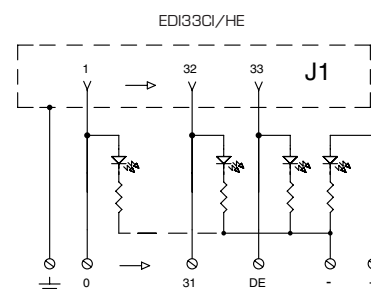
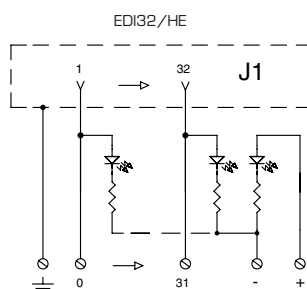
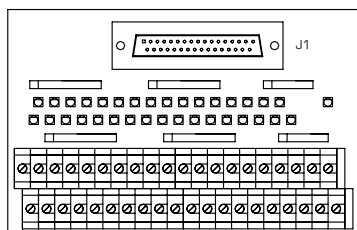
For codes and description of precables assemblies see list on page 52.

Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type	Versione Version
51 - 1	21E014198	ECV37MF/M/...	Cavo di collegamento per I/O Connection cable for I/O
51 - 2	21E014153	ECFV37MF/...	Cavo di collegamento per I/O Connection cable for I/O
51 - 3	21E014224	ECV374F10/...	Cavo di collegamento per I/O Connection cable for I/O
51 - 4	21E014225	ECV372F20/...	Cavo di collegamento per I/O Connection cable for I/O

32 Ingressi - 33 Ingressi

32 Inputs - 33 Inputs

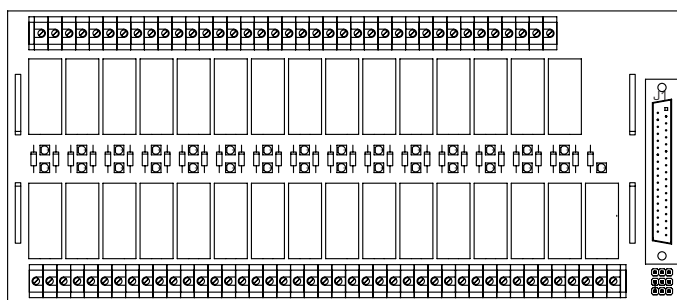
J1= SUB-D 37 Maschio
SUB-D 37 Ways male



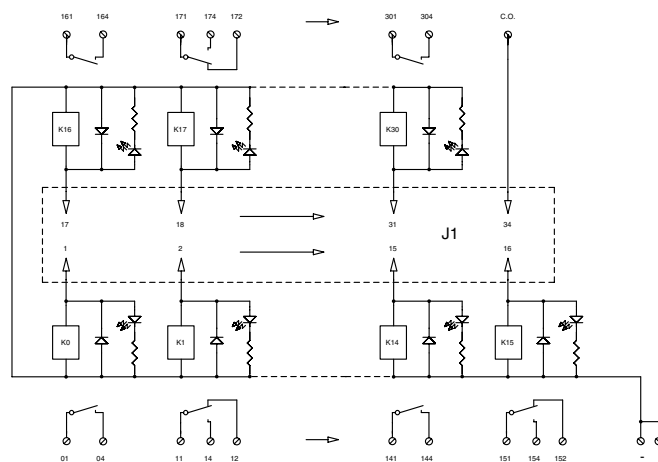
Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version
EDI32V/HE	51E019953	113 x 82	32 Ingressi con visualizzazione / 32 Inputs with display
EDI33VC/HE	51E019957	113 x 82	33 Ingressi con visualizzazione / 33 Inputs with display

31 Uscite a rele

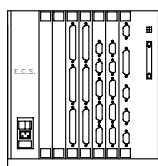
31 Outputs with relay



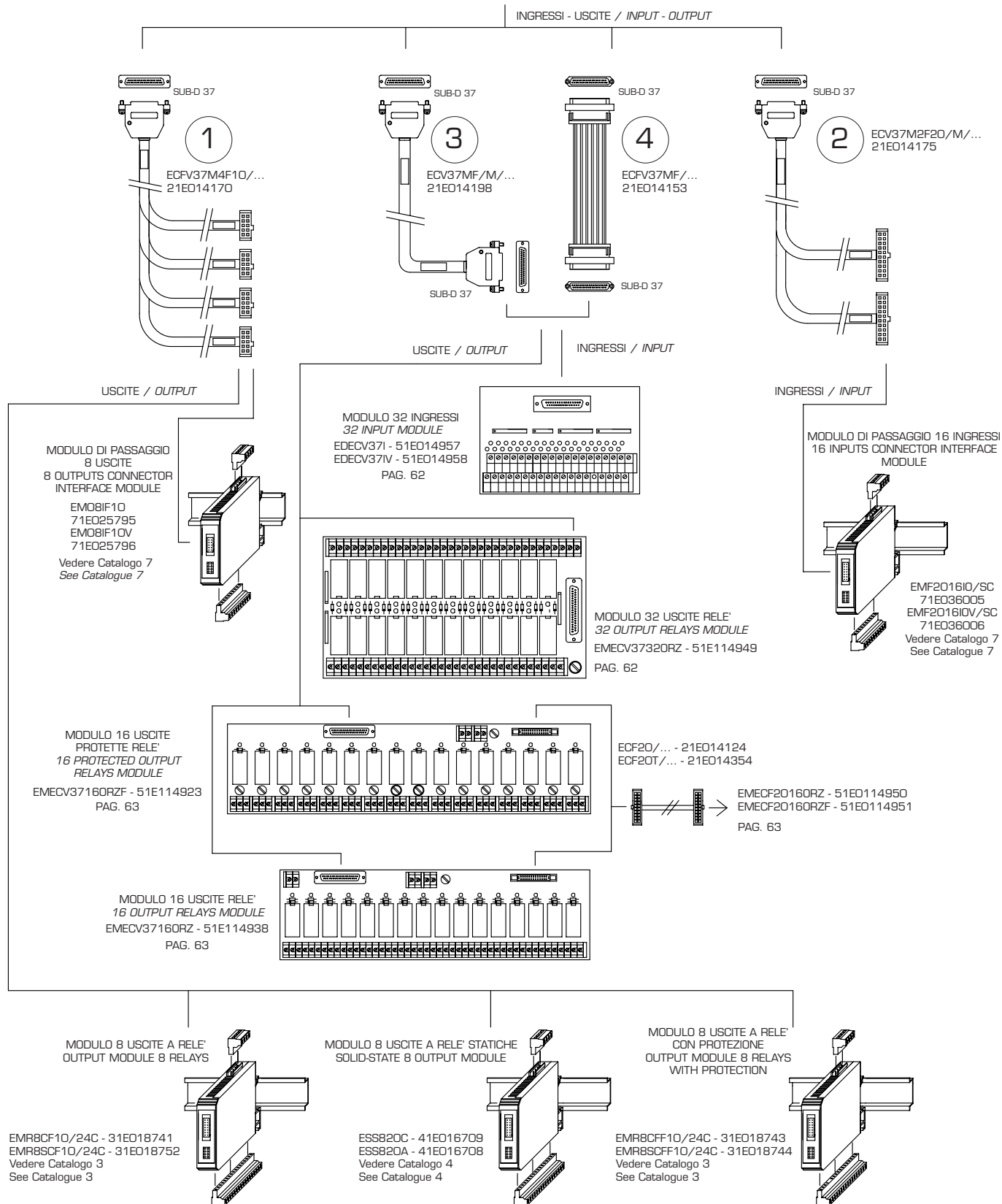
J1= SUB-D 37 Maschio
SUB-D 37 Ways male



Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMV3732ORZ/HE	51E019963	250 x 118	31 Uscite relè zoccolato / 32 Outputs with socketed relay	A



C.N.C. ECS
C.N.C. ECS - I/O CANopen (X1 - X2 - X3)



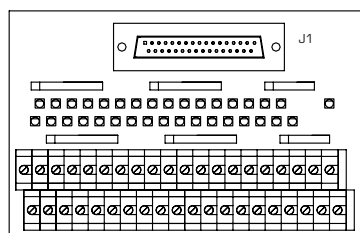
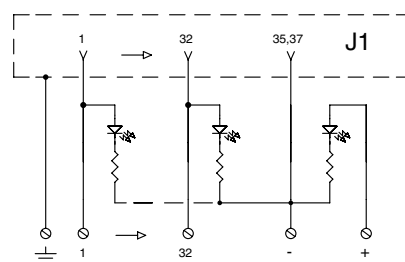
① ④

Per codici e descrizioni dei cavi precablati vedere alla pag. 62.
For codes and description of precables assemblies see list on page 62.

Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type	Versione Version
61 - 1	21E014170	ECFV37M4F10/...	Cavo di collegamento per I/O ECS - I/O CANopen X1-X3 <i>Connection cable for I/O ECS - I/O CANopen X1-X3</i>
61 - 2	21E014175	ECFV37M2F20/...	Cavo di collegamento per I/O ECS - I/O CANopen X1-X3 <i>Connection cable for I/O ECS - I/O CANopen X1-X3</i>
61 - 3	21E014198	ECFV37MF/M/...	Cavo di collegamento per I/O ECS - I/O CANopen X1-X3 <i>Connection cable for I/O ECS - I/O CANopen X1-X3</i>
61 - 4	21E014153	ECFV37MF/...	Cavo di collegamento per I/O ECS - I/O CANopen X1-X3 <i>Connection cable for I/O ECS - I/O CANopen X1-X3</i>

32 Ingressi

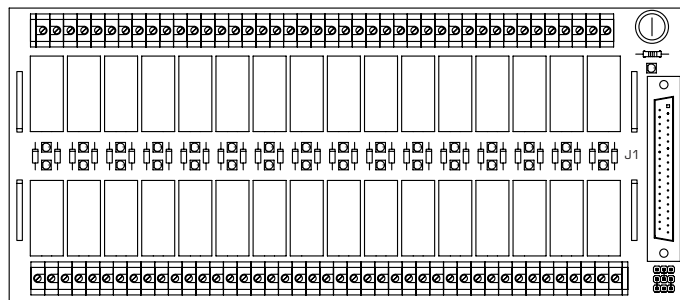
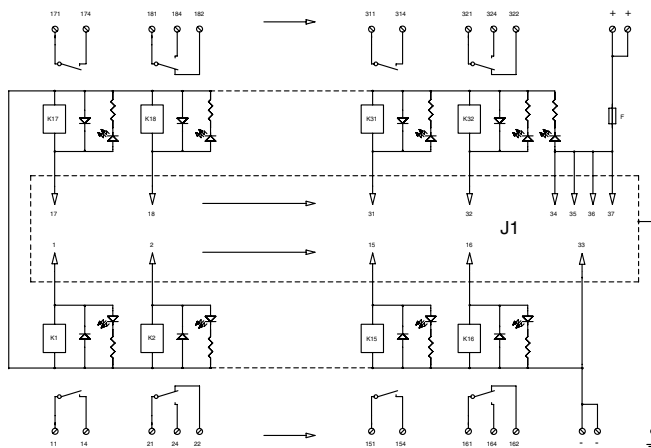
32 Inputs

J1 = SUB-D 37 Femmina
SUB-D 37 Ways female

Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version
EDECV37I	51E014957	113 x 82	32 Ingressi / 32 Inputs
EDECV37IV	51E014958	113 x 82	32 Ingressi con visualizzazione / 32 Inputs with display

32 Uscite a relè

32 Outputs with relay

J1 = SUB-D 37 Maschio
SUB-D 37 Ways male

Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMECV3732ORZ	51E114949	250 x 118	32 Uscite con rele zoccolato / 32 Outputs with socketed relay	A

Per caratteristiche tecniche vedere a pag. 101

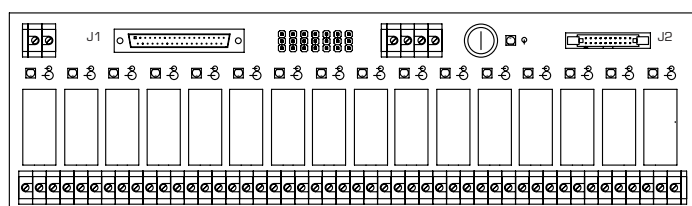
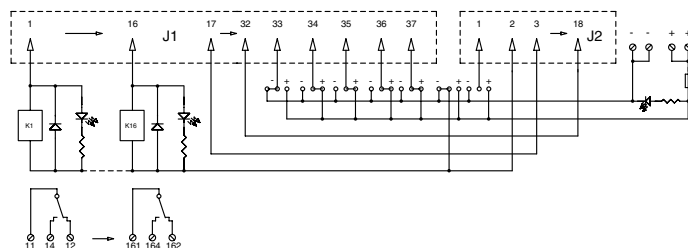
For technical data see page 101

Nelle ordinazioni dopo la "I..." indicare la lunghezza in metri del cavo.

At the time of placing your order please indicate the cable length in meters after the designation "I..." in the type column.

16 Uscite a relè

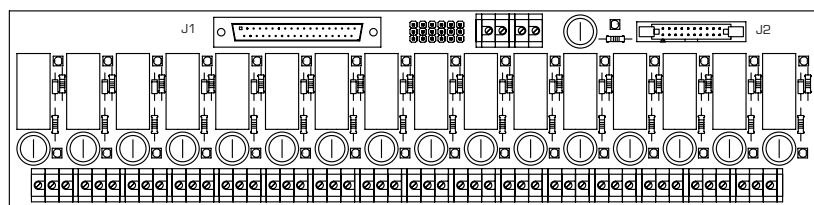
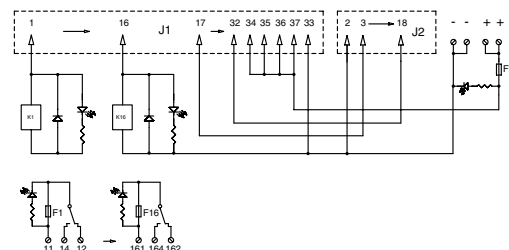
16 Outputs with relay

J1= SUB-D 37 Maschio
SUB-D 37 Ways maleJ2= Connettore flat DIN 41651 20 poli
I.D.C. DIN 41651 connector 20 ways

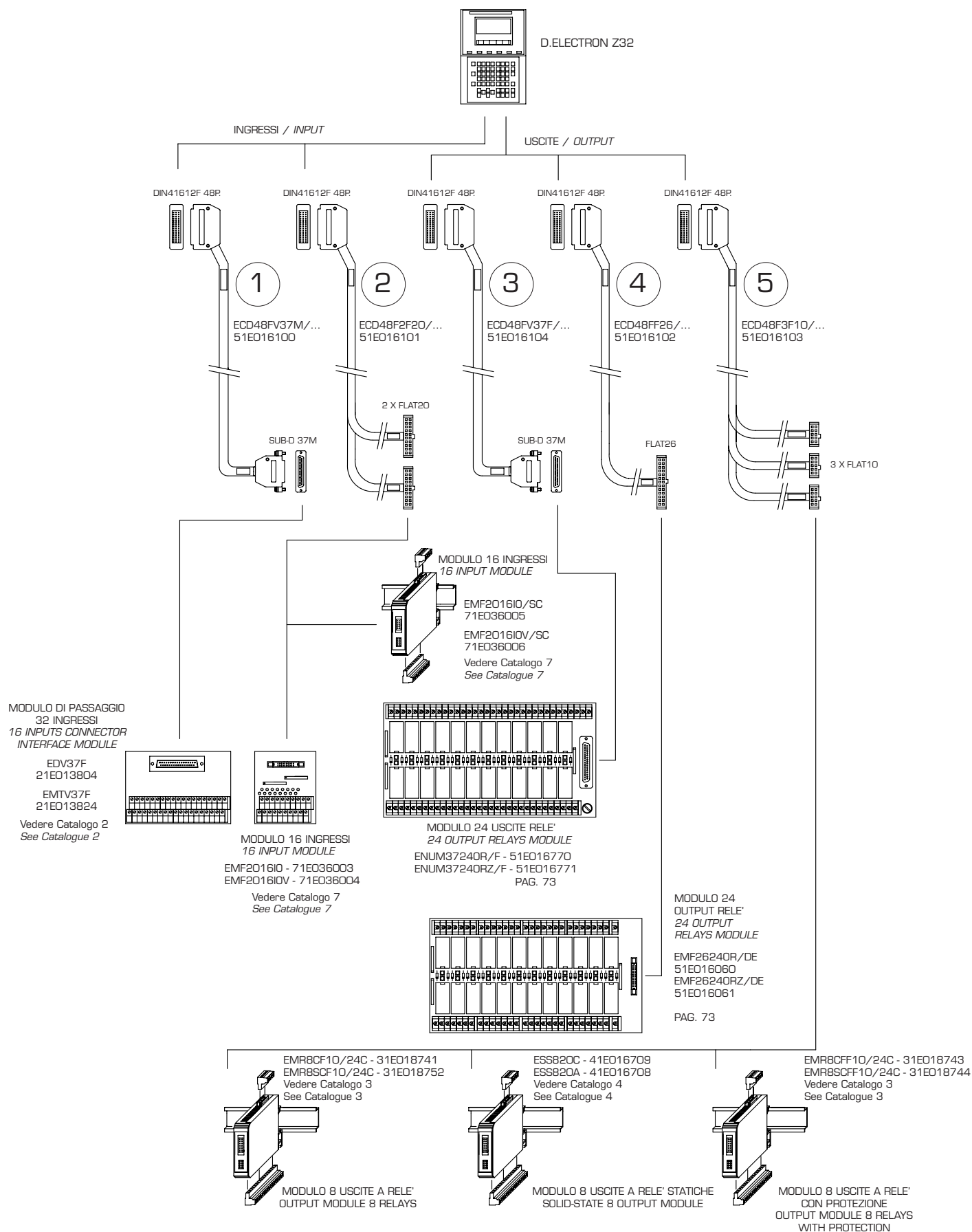
Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMECV3716ORZ	51E114938	270 x 82	16 Uscite con relè zoccolato / 16 Outputs with socketed relay	A
EMECF2016ORZ	51E114950	270 x 82	Numeraz. espansione / Num. extension 171-174-172.....321-324-322	A

16 Uscite protette a relè

16 Protected outputs with relay

J1= SUB-D 37 Maschio
SUB-D 37 Ways maleJ2= Connettore flat DIN 41651 20 poli
I.D.C. DIN 41651 connector 20 ways

Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMECV3716ORZF	51E114923	304 x 82	16 Uscite protette con relè zoccolato / 16 Protected outputs with socketed relay	A
EMECF2016ORZF	51E114951	304 x 82	Numeraz. espansione / Num. extension 171-174-172.....321-324-322	A



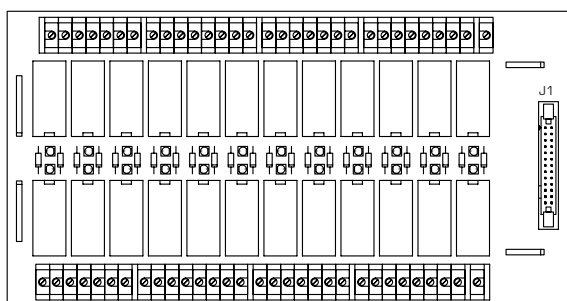
① ⑤

Per codici e descrizioni dei cavi precablati vedere alla pag. 73.
For codes and description of precables assemblies see list on page 73.

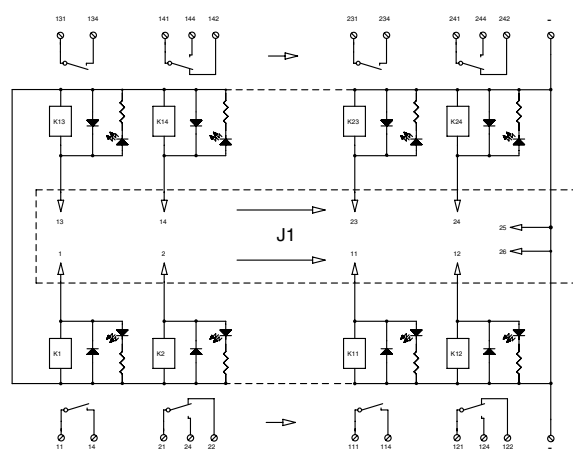
Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type	Versione Version
72 - 1	51E016100	ECD48FV37M/...	Cavo di collegamento per Z32 Connection cable for Z32
72 - 2	51E016101	ECD48F2F20/...	Cavo di collegamento per Z32 Connection cable for Z32
72 - 3	51E016104	ECD48FV37F/...	Cavo di collegamento per Z32 Connection cable for Z32
72 - 4	51E016102	ECD48FF26/...	Cavo di collegamento per Z32 Connection cable for Z32
72 - 5	51E016103	ECD48F3F10/...	Cavo di collegamento per Z32 Connection cable for Z32

24 Uscite a relè

24 Outputs with relay



J1= Connettore flat DIN 41651 26 poli
I.D.C. DIN 41651 connector 26 ways

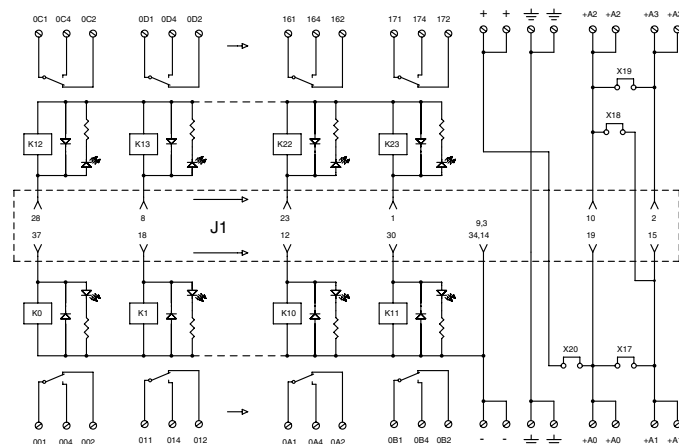
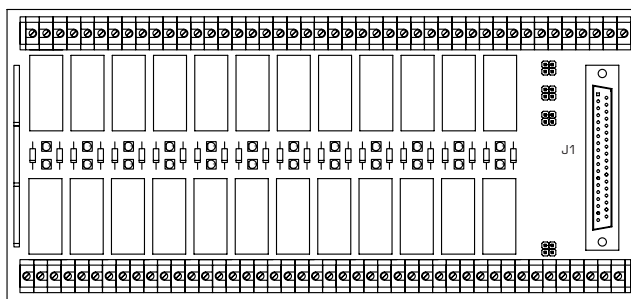


Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
EMF2624OR/DE	51E016060	232 x 118	24 Uscite con relè saldato / 24 Outputs with soldered relay	A
EMF2624ORZ/DE	51E016061	232 x 118	24 Uscite con relè zoccolato / 24 Outputs with socketed relay	A

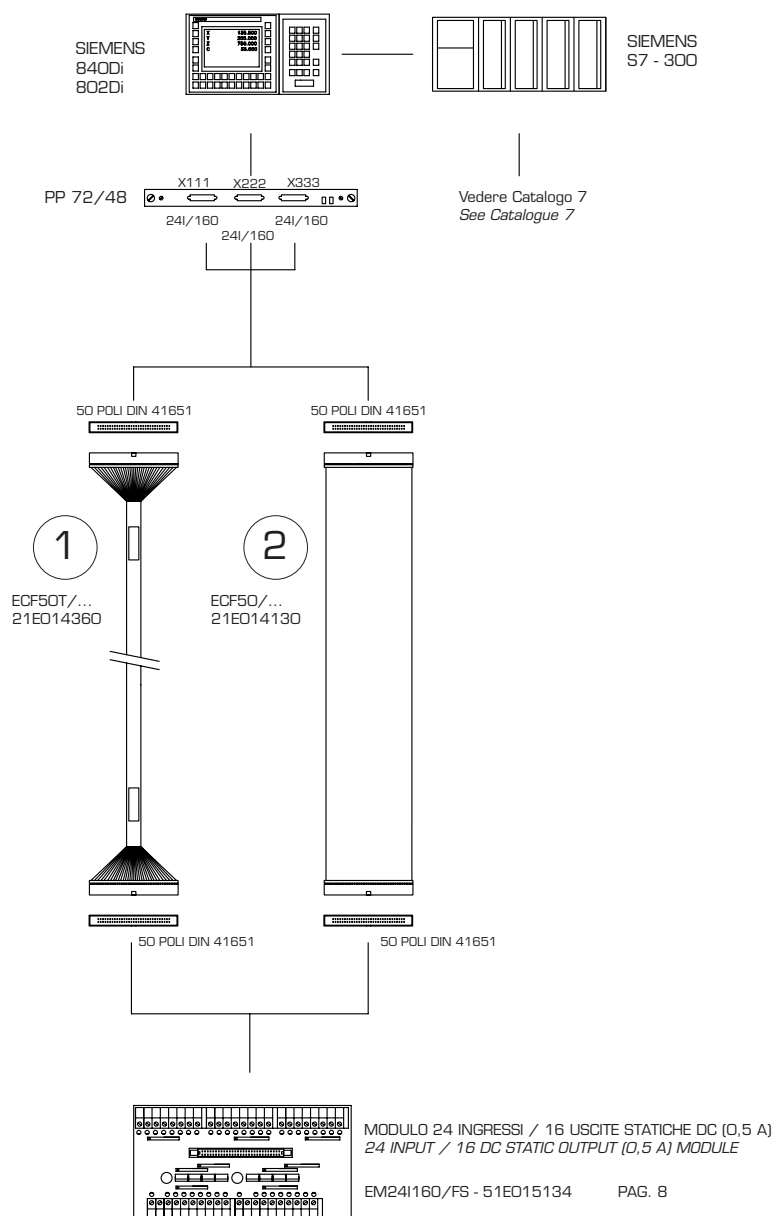
24 Uscite a relè

24 Outputs with relay

J1= SUB-D 37 Femmina
SUB-D 37 Ways female



Tipo Type	Codice Code	Dim. [mm] L x B	Versione Version	Relè Relays
ENUM3724OR/F	51E016770	233 x 118	24 Uscite con relè saldato / 24 Outputs with soldered relay	A
ENUM3724ORZ/F	51E016771	233 x 118	24 Uscite con relè zoccolato / 24 Outputs with socketed relay	A



Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type	Versione Version
90 - 1	21E014360	ECF50T/...	Cavo di collegamento per I/O Connection cable for I/O
90 - 2	21E014130	ECF50/...	Cavo di collegamento per I/O Connection cable for I/O

Moduli di passaggio

Connectors interface module

Tensione nominale	Nominal voltage	24 Vdc $\pm$ 10%
Corrente max.(per canale)	Max. current (for channel)	1 A
Assorbimento (per canale)	Absorption (for channel)	5 mA (solo con visualizzazione / only with display)
Isolamento	Insulation	500 Vac (solo vers. senza visualizzazione / only without display)

Moduli a relè

Relays module

Tensione nominale	Nominal voltage	24 Vdc $\pm$ 10%
Corrente max.(per canale)	Max. current (for channel)	vedere tabella relè / see relays table
Assorbimento (per canale)	Absorption (for channel)	20 mA
Isolamento	Insulation	vedere tabella relè / see relays table

Dati tecnici generali

General specifications

Temperatura di funzionamento	Operating temperature	-25...+50° C
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

Morsetti

Terminal blocks

Descrizione Description	Sezione cavi flessibili Fine-wired section
----------------------------	---

Morsetto a vite / Screw terminal blocks

max. 1,5 mm² (14 AWG)

E' possibile avere alcuni prodotti con morsetti diversi da quelli standard indicati (tipo a vite) e precisamente il tipo a molla ed il tipo estraibile.

Per codici ed informazioni tecniche rivolgersi in sede.

For some products is possible to change the standard screw terminal blocks choosing pluggable terminal blocks or screwless terminal blocks.

Please contact us for codes and technical information.

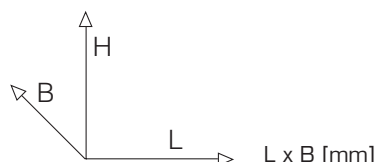
Relè

Relays

Tipo	Type	A	B
Descrizione	Description	Mecc. 1 SC / Mechanical 1 CO	Mecc. 1 NA / Mechanical 1 NO
Tensione di ingresso	Input voltage	24 Vdc	24 Vdc
Tensione max contatto	Max switching voltage	440 Vac 300 Vdc	270 Vac 150 Vdc
Corrente nominale	Nominal current	12 A	5 A
Carico max COS $\varphi=1$	Max load COS $\varphi=1$	12 A 250 Vac, 12 A 24 Vdc	5 A 250 Vac, 5 A 30 Vdc
Carico max COS $\varphi=0,4$	Max load COS $\varphi=0,4$	5 A 250 Vac, 5 A 24 Vdc	-
Carico min	Min load	100 mA / 5 Vdc	0,1 mA / 100 mVdc
Δt on	Δt on	7 mSec.	-
Δt off	Δt off	2 mSec. (dc)	-
Isolamento cont. bobina	Contact-coil insulation	5 KVac	2 KVac
Isolamento tra contatti	Insulation between contacts	1 KVac	750 Vac
Vita meccanica	Mechanical life	20x10 ⁶ cicli / cycles	20x10 ⁶ cicli / cycles

Dimensioni

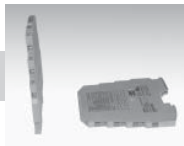
Dimensions





6 - Moduli Elettronici

6 - Electronic Modules



Moduli Conversione Segnali Analogici - Contenitori da 6,1 ... 22,5 mm
Converter Analogic Signal Module - 6,1 ... 22,5 mm Case

6/1



Moduli Trasduttori AC/DC - Contenitore 22,5 mm
AC/DC Transducers Module - 22,5 mm Case

6/5



Moduli Conversione Segnali Analogici - Serie DB62 / EN28K
Converter Analogic Signal Module - DB28 / EN28K Series

6/6



Moduli Condizionamento Termoresistenze - Contenitore da 12,5 mm
Thermal Resistance Converter Module - 12,5 mm Case

6/7



Moduli Condizionamento Temperatura
Thermal Converter Module

6/8



Multiplexer - Analogico/Digitale - Temperatura - Segnali Resistivi
Multiplexer - Analog/Digital - Temperature - Resistors Signals

6/9



Moduli Convertitore Analogico/Digitale 8-12 bit Binario
8-12 bit Analogic/Digital Binary Converter Module

6/10



Moduli Convertitore Digitale/Analogico 8 bit Binario
8 bit Digital/Analogic Binary Converter Module

6/11



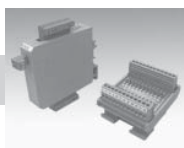
Moduli Convertitore RS232 Current Loop 20 mA
20 mA RS232 Current Loop Converter Module

6/12



Moduli Convertitore RS232 / 422-485
RS232 / 422-485 Converter Module

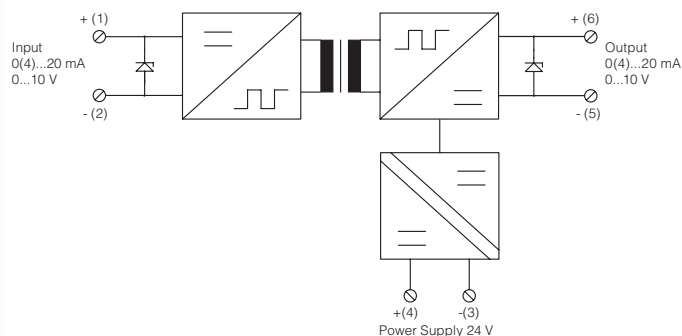
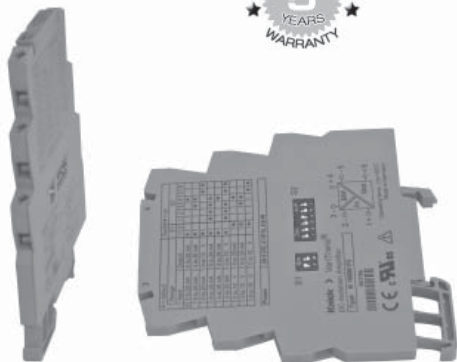
6/13



Moduli Diodi
Diodes Module

6/14



**Caratteristiche d'ingresso****Input characteristics**

Tensione / Impedenza	Voltage / Impedance	0...10 Vdc / 100 KOhms
Corrente / Impedenza	Current / Impedance	0(4)...20 mA / 50 Ohms

Caratteristiche uscita**Output characteristics**

Tensione / Carico	Voltage / Load	0...10 Vdc / ≥ 10 kOhms
Corrente / Carico	Current / Load	0(4)...20 mA / ≤ 500 Ohms
Classe di Errore	Error class	< 0,3 %
Frequenza di Taglio	Cut-off frequency	> 100 Hz - 3 dB

Dati tecnici**Specifications**

Tensione ausiliaria	Power supply	24 Vdc $\pm 15\%$, 0,6 W
Isolamento	Insulation	510 VAC
Tensione di Lavoro	Working voltage	100 V
Temperatura di esercizio	Operative temperature	0...+55° C
Temperatura di stoccaggio	Storage temperature	-25...+85° C
Grado di protezione	Enclosure	IP 20
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²
Montaggio	Mounting	A scatto su profilo / Snap-in mounting on DIN TS32-TS35
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]	6,1 x 87,9 x 90

Standards e Approvazioni**Standards and Approvals**

EMC	EMC	EN61326, Classe B
Approvazioni	Approval	cUL, File No. E 220033, Standards: UL 508 and CAN/CSA 22.2 No. 14

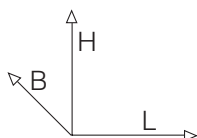
Alimentazione Power Supply	Isolamento Insulation	Tipo Type	Codice Code
24 Vdc	510 VAC	EMIS10U/24C	64EB10000

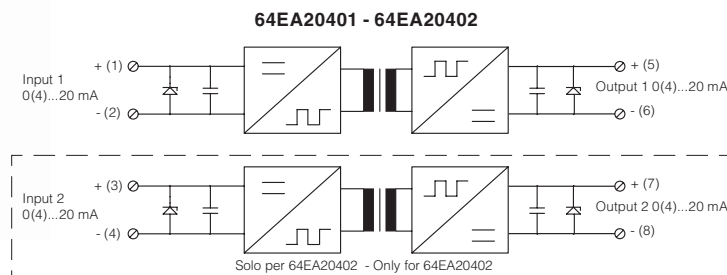
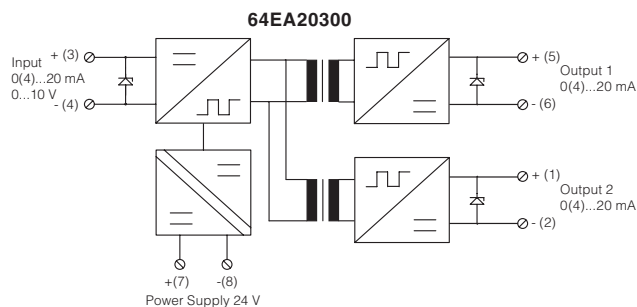
Settaggi / Setting

Input	Output	S1		S2					
		1	2	1	2	3	4	5	6
0 to 20 mA	0 to 20 mA	ON					ON		
0 to 20 mA	4 to 20 mA	ON					ON		
0 to 20 mA	0 to 10 V	ON				ON	ON	ON	ON
4 to 20 mA	0 to 20 mA	ON		ON	ON		ON		
4 to 20 mA	4 to 20 mA	ON		ON	ON		ON		
4 to 20 mA	0 to 10 V	ON		ON	ON		ON	ON	ON
0 to 10 V	0 to 20 mA		ON				ON		
0 to 10 V	4 to 20 mA		ON				ON		
0 to 10 V	0 to 10 V		ON					ON	ON

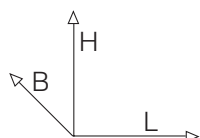
Accessori / Accessories

		Tipo Type	Codice Code
Pettine estraibile 41 punti	Pluggable cross-connection 41 points	EPC	64EZU0542



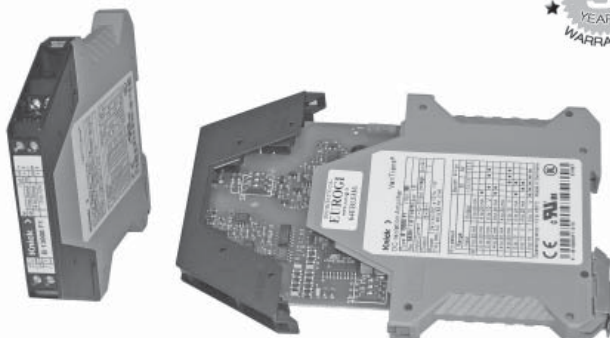


Caratteristiche d'ingresso		Input characteristics	64EA20300	64EA20401	64EA20402
Tensione / Impedenza	Voltage / Impedance	0...10 Vdc / 100 kOhms		/	
Corrente / Impedenza	Current / Impedance	0(4)...20 mA / 50 Ohms (at 0...20mA)		0(4)...20 mA / 50 Ohms (at 0...20mA)	
Canali	Channels	1		1	2
Caratteristiche uscita		Output characteristics			
Tensione / Carico	Voltage / Load	/		/	
Corrente / Carico	Current / Load	0(4)...20 mA / ≤ 10 V (≤ 500 Ohms at 20mA)		0(4)...20 mA / ≤ 12 V (≤ 600 Ohms at 20mA)	
Classe di Errore	Error class	< 0,3 %		< 0,1 %	
Frequenza di Taglio	Cut-off frequency	> 100 Hz		> 100 Hz	
Disturbo residuo	Residual ripple	< 10 mVrms		< 10 mVrms	
Canali	Channels	2		1	2
Dati tecnici		Specifications			
Tensione ausiliaria	Power supply	24 Vdc ±15%, 1,2 W		/	
Isolamento	Insulation	1,5 kVAC in/power - 2,5 kVAC in/out - out/power		2,5 kVAC	
Tensione di Lavoro	Working voltage	300 V			
Temperatura di esercizio	Operative temperature	0...+55° C		-20...+65° C	
Temperatura di stoccaggio	Storage temperature	-25...85° C		-25...85° C	
Grado di protezione	Enclosure	IP 20			
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks			
Sezione cavi flessibili	Fine-wired section	max 2,5 mm²			
Montaggio	Mounting	A scatto su profilo / Snap-in mounting on DIN TS32-TS35			
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]	6,2 x 87,9 x 90			
Standards e Approvazioni		Standards and Approvals			
EMC	EMC	EN61326			
Approvazioni	Approval	cURus: File No. E 220033, Standards: UL 508, CAN/CSA 22.2 No. 14-95			

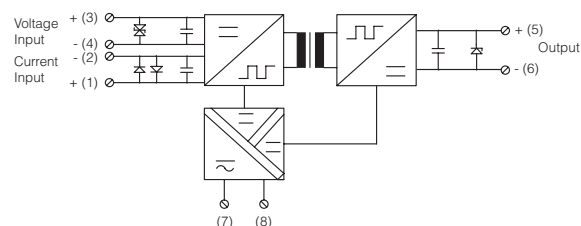


Settaggi / Setting		Switch				
Input	Output	1	2	3	4	5
0 to 20 mA	0 to 20 mA	ON				ON
0 to 20 mA	4 to 20 mA	ON				ON
4 to 20 mA	0 to 20 mA	ON	ON	ON		ON
4 to 20 mA	4 to 20 mA					ON
0 to 10 V	0 to 20 mA				ON	
0 to 10 V	4 to 20 mA	ON			ON	

Alimentazione Power Supply	Isolamento Insulation	Tipo Type	Codice Code
24 Vdc	1,5 kVAC in/pwr - 2,5 kVAC in/out - out/pwr	EMIS1I/2O/24C	64EA20300
/	2,5 kVAC	EMIS1I/1O	64EA20401
/	2,5 kVAC	EMIS2I/2O	64EA20402

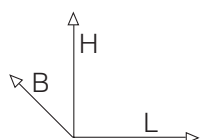


64EB13...



Power Supply 230 VAC (64EB13000)
Power Supply 24 VAC/DC (64EB13336)

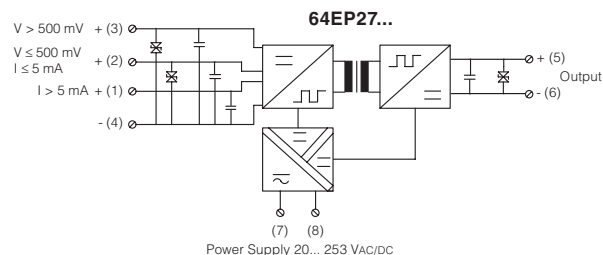
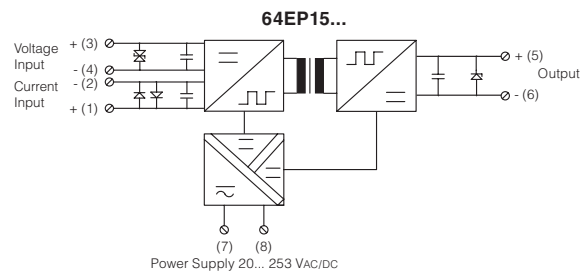
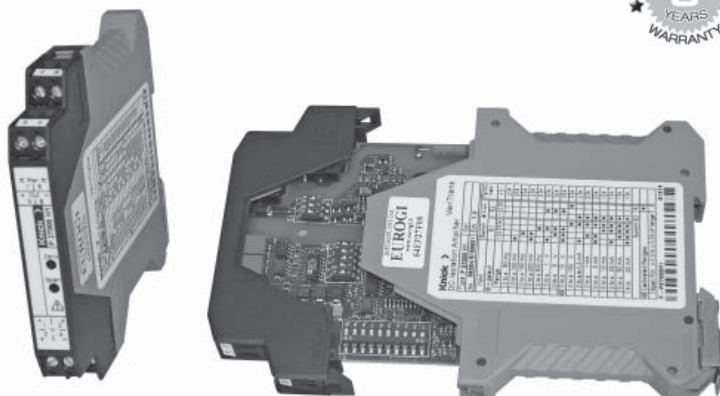
Caratteristiche d'ingresso		Input characteristics		64EB13000		64EB13336	
Tensione / Impedenza	Voltage / Impedance	0...10 Vdc / 1 MOhms					
Corrente / Impedenza	Current / Impedance	0(4)...20 mA / 50 Ohms (at 0...20mA)					
Caratteristiche uscita		Output characteristics					
Tensione / Carico	Voltage / Load	0...10 Vdc / ≤ 10 mA (1 kOhm at 10V)					
Corrente / Carico	Current / Load	0(4)...20 mA / ≤ 10 V (500 Ohms at 20mA)					
Classe di Errore	Error class	< 0,4 %					
Frequenza di Taglio	Cut-off frequency	> 1 kHz - 3 dB					
Disturbo residuo	Residual ripple	< 20 mVrms					
Dati tecnici		Specifications					
Tensione ausiliaria	Power supply	230 Vac -15%, +10%, 48...62 Hz, 2 VA			24 Vac/dc;	ac ±15% 48...62 Hz, 2 VA dc ±15%, 0,9 W	
Isolamento	Insulation	3,25 kVAC					
Tensione di Lavoro	Working voltage	600 V					
Temperatura di esercizio	Operative temperature	-10...+60° C					
Temperatura di stoccaggio	Storage temperature	-25...+85° C					
Grado di protezione	Enclosure	IP 20					
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks					
Sezione cavi flessibili	Fine-wired section	max 2,5 mm²					
Montaggio	Mounting	A scatto su profilo / Snap-in mounting on DIN TS32-TS35					
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]	12,5 x 99 x 111					
Standards e Approvazioni		Standards and Approvals					
EMC	EMC	EMC 89/336/EEC, EN61326					
Approvazioni	Approval	cUL: File No. E 216767, Standards: UL 3101-1, CSA-C 22.2 No. 10101-1 GL : No. 14627-99 HH					
Prova di Surge	Surge withstand	5 kV 1,2/50 µs to IEC 255-4					



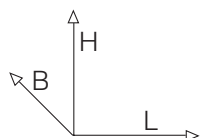
Settaggi / Setting

Input	Output	1	S1	2	3	1	S2	2	3
0 to 20 mA	0 to 20 mA								
0 to 20 mA	4 to 20 mA	ON							
0 to 20 mA	0 to 10 V		ON			ON	ON		
4 to 20 mA	0 to 20 mA	ON	ON						
4 to 20 mA	4 to 20 mA								
4 to 20 mA	0 to 10 V					ON	ON	ON	
0 to 10 V	0 to 20 mA	ON				ON			
0 to 10 V	4 to 20 mA								
0 to 10 V	0 to 10 V	ON	ON	ON	ON	ON	ON		

Alimentazione Power Supply	Isolamento Insulation	Tipo Type	Codice Code
230 Vac	3,25 kVAC	EMIS60U/230A	64EB13000
24 Vac/dc	3,25 kVAC	EMIS60U/24A/C	64EB13336



Caratteristiche d'ingresso		Input characteristics	64EP15F00	64EP27F00
Tensione / Impedenza	Voltage / Impedance		0...10 Vdc / 1 MOhms	0...±20 mV (200V) / 1 MOhms
Corrente / Impedenza	Current / Impedance		0(4)...20 mA / 50 Ohms (at 0...20mA)	0...±0,1(100) mA / 50 Ohms (at 0...±20mA)
Caratteristiche uscita		Output characteristics		
Tensione / Carico	Voltage / Load		0...10 Vdc / ≤ 10 mA (1 kOhm at 10V)	0...(±)10 Vdc / ≤ 10 mA (1 kOhm at 10V)
Corrente / Carico	Current / Load		0(4)...20 mA / ≤ 12 V (600 Ohms at 20mA)	0(4)...(±)20 mA / ≤ 12 V (600 Ohms at 20mA)
Classe di Errore	Error class		< 0,08 %	< 0,08 %
Frequenza di Taglio	Cut-off frequency		> 10 kHz; switchable to < 10 Hz - 3 dB	> 10 kHz; switchable to < 10 Hz - 3 dB
Disturbo residuo	Residual ripple		< 10 mVrms	< 10 mVrms
Dati tecnici		Specifications		
Tensione ausiliaria	Power supply		20...253 Vac/dc;	ac 48...62 Hz, 2 VA dc 0,9 W
Isolamento	Insulation		4 kVAC	5 kVAC in/out, 4 kVAC out/power
Tensione di Lavoro	Working voltage		1000	
Temperatura di esercizio	Operative temperature		-10...+70° C	
Temperatura di stoccaggio	Storage temperature		-40...+85° C	
Grado di protezione	Enclosure		IP 20	
Allacciamento	Connection		Morsetti a vite / Screw terminal blocks	
Sezione cavi flessibili	Fine-wired section		max 2,5 mm ²	
Montaggio	Mounting		A scatto su profilo / Snap-in mounting on DIN TS32-TS35	
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]		12,5 x 99 x 111	
Standards e Approvazioni		Standards and Approvals		
EMC	EMC		EN61326	
Approvazioni	Approval		cUL: File No. E 216767, Standards: UL 3101-1, CSA-C 22.2 No. 10101-1	
			GL : No. 14593-99 HH	
			GL : No. 42 843-02 HH	
Prova di Surge	Surge withstand		5 kV 1,2/50 µs to IEC 255-4	



Input	Output	1	2	3	1	2	3
0 to 20 mA	0 to 20 mA	ON					X
0 to 20 mA	4 to 20 mA	ON					X
0 to 20 mA	0 to 10 V	ON	ON		ON	ON	X
4 to 20 mA	0 to 20 mA	ON	ON				X
4 to 20 mA	4 to 20 mA			ON	ON	ON	X
4 to 20 mA	0 to 10 V	ON		ON	ON	ON	X
0 to 10 V	0 to 20 mA	ON		ON			X
0 to 10 V	4 to 20 mA	ON	ON	ON	ON	ON	X
0 to 10 V	0 to 10 V	ON	ON	ON	ON	ON	X
Bandwidth 10 Hz		X	X	X	X	X	X
Bandwidth 10 kHz		X	X	X	X	X	X

X - non influenza il settaggio - without influence on this setting

Settaggi / Setting

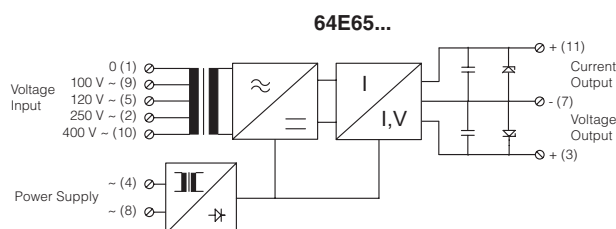
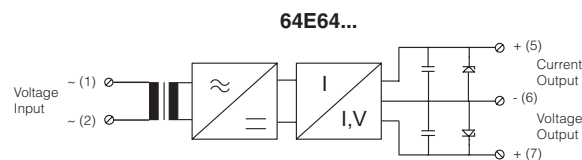
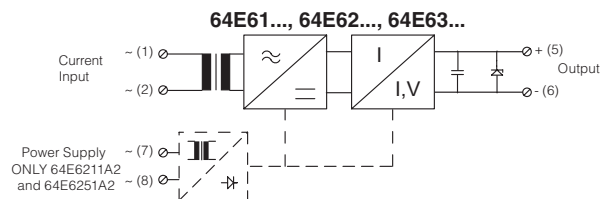
Input	1	2	3	4	1	2	3	4
0 to ± 60 mV								ON
0 to ± 100 mV	ON							ON
0 to ± 150 mV		ON						ON
0 to ± 300 mV	ON	ON						ON
0 to ± 500 mV			ON					ON
0 to ± 1 V	ON	ON	ON					ON
0 to ± 5 V		ON	ON					ON
0 to ± 10 V	ON	ON	ON					ON
0 to ± 100 V				ON			ON	ON
0 to ± 0,3 mA	ON			ON	ON			ON
0 to ± 1 mA		ON		ON	ON			ON
0 to ± 5 mA	ON	ON		ON	ON			ON
0 to ± 10 mA			ON	ON	ON			ON
0 to ± 20 mA	ON		ON	ON	ON			ON
0 to ± 50 mA		ON	ON	ON	ON			ON
4 to 20 mA*	ON	ON	ON	ON	ON			ON

Switch S2		4
Calibrated ranges		ON
Span potentiometer : 0,33 ... 3,30 x end of range		

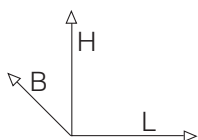
* Offset switch-over not calibrated

Output	5	6	7	1	2
0 to ± 10 V				ON	ON
2 to 10 V	ON			ON	ON
0 to ± 5 V		ON		ON	ON
1 to 5 V	ON	ON		ON	ON
0 to ± 20 mA			ON		
4 to 20 mA	ON		ON		
Offset	8	9	10	5	
(in % of output span)					
0 %				ON	
-100 %	ON			ON	
-50 %		ON		ON	
+50 %		ON		ON	
-100 %			ON	ON	
Zero potentiometer : additional ± 25 %					3
Switch S3					
Bandwidth 10 kHz					
Bandwidth 10 Hz				ON	

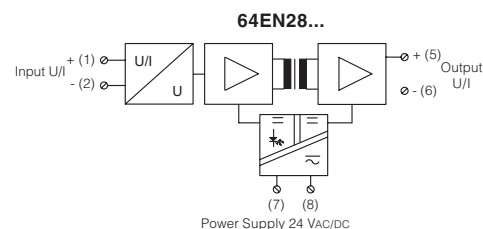
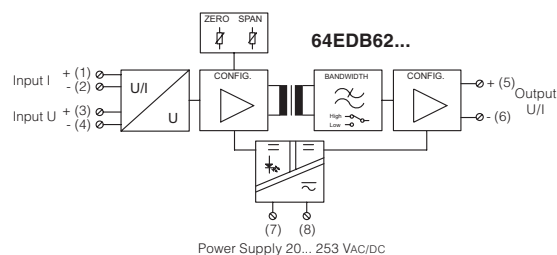
Alimentazione Power Supply	Isolamento Insulation	Tipo Type	Codice Code
20...253 Vac/dc	4 kVAC	EMIS100U/20-253VA/C	64EP15F00
20...253 Vac/dc	5 kVAC in/out - 4 kVAC out/power	EMIS100RU/20-253VA/C	64EP27F00



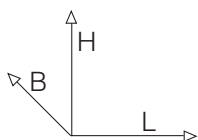
Caratteristiche d'ingresso		Input characteristics	64E61..., 64E62..., 64E63...	64E64..., 64E65...
Tensione	Voltage		/	0...400 V
Corrente	Current		0...5 A	/
Caratteristiche uscita		Output characteristics		
Tensione / Carico	Voltage / Load		0...10 Vdc / ≤ 5 mA (2 kOhm at 10V)	0(2)...10 Vdc / ≤ 10 mA (1 kOhm at 10V)
Corrente / Carico	Current / Load		0(4)...20 mA / ≤ 15 V (750 Ohms at 20mA)	0(4)...20 mA / ≤ 12 V (600 Ohms at 20mA)
Classe di Errore	Error class		< 0,5 %	< 0,5 %
Dati tecnici		Specifications		
Tensione ausiliaria	Power supply		230 Vac -15%, +10% 47...63 Hz, 1,5 VA (only 64E62... and 64E65...)	
Isolamento	Insulation		6 kVAC, 4 kVAC see table	
Temperatura di esercizio	Operative temperature		-10...+70° C	
Temperatura di stoccaggio	Storage temperature		-30...+80° C	
Grado di protezione	Enclosure		IP 20	
Allacciamento	Connection		Morsetti a vite / Screw terminal blocks	
Sezione cavi flessibili	Fine-wired section		max 2,5 mm ²	
Montaggio	Mounting		A scatto su profilo / Snap-in mounting on DIN TS32-TS35	
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]		22,5 x 89 x 99	
Standards e Approvazioni		Standards and Approvals		
EMC	EMC		EN61326	
Prova di Surge	Surge withstand		5 kV 1,2/50 µs to IEC 255-4	



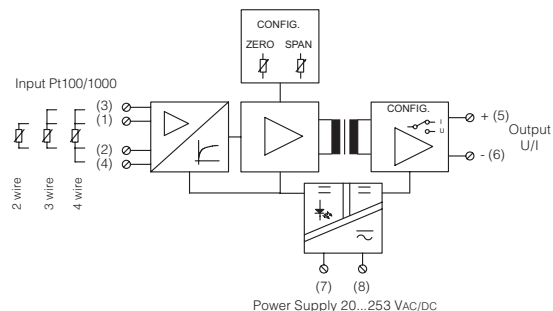
Ingresso Input	Uscita Output	Alimentazione Power Supply	Isolamento Insulation	Tipo Type	Codice Code
0...1 A	0...20 mA	/	6 kVAC	ETR61A20	64E6111A2
0...1 A	4...20 mA	230 Vac	6 kVAC in/out - in/pwr 4 kVAC out/pwr	ETR61A04/230A	64E6211A2
0...1 A	0...10 V	/	6 kVAC	ETR61A10	64E6311A2
0...5 A	0...20 mA	/	6 kVAC	ETR65A20	64E6151A2
0...5 A	4...20 mA	230 Vac	6 kVAC in/out - in/pwr 4 kVAC out/pwr	ETR65A04/230A	64E6251A2
0...5 A	0...10 V	/	6 kVAC	ETR65A10	64E6351A2
0...100/120 V	0...20 mA/0...10 V	/	4 kVAC	ETR6120V1020	64E6472A2
0...250/400 V	0...20 mA/0...10 V	/	4 kVAC	ETR6400V1020	64E6482A2
0...100/120/250/400 V	0(4)...20 mA/0(2)...10 V	230 Vac	4 kVAC	ETR6S	64E6502A2



Caratteristiche d'ingresso		Input characteristics	64EDB62...	64EN28K...
Tensione / Impedenza	Voltage / Impedance		0...±10 Vdc (switch select.) / 1 MOhms	0...10 V / 1 MOhms
Corrente / Impedenza	Current / Impedance		0(4)...±20 mA (switch select.) / 25 Ohms	0(4)...20 mA / 5 Ohms
Caratteristiche uscita		Output characteristics		
Tensione / Carico	Voltage / Load		0...±10 Vdc / ≤ 10 mA (1 kOhm at 10V)	0...10 Vdc / ≥ 2 kOhm
Corrente / Carico	Current / Load		0(4)...±20 mA / ≤ 12 V (600 Ohms at 20mA)	0(4)...20 mA / ≤ 500 Ohms
Classe di Errore	Error class		< 0,1 % of final value	< 0,2 % of final value
Frequenza di Taglio	Cut-off frequency		> 10 kHz; switchable to < 30 Hz	
Disturbo residuo	Residual ripple		< 20 mVrms	< 10 mVrms
Dati tecnici		Specifications		
Tensione ausiliaria	Power supply		20...253 Vac/dc; ac 48...62 Hz, 2 VA dc 1 W	24 Vac/dc ±15%; ac 48...62 Hz, 2 VA dc 0,7 W
Isolamento	Insulation		4 kVAC	2,5 kVAC
Tensione di Lavoro	Working voltage		1000 V	600 V
Temperatura di esercizio	Operative temperature		-20...+70° C	-0...+55° C
Temperatura di stoccaggio	Storage temperature		-35...+85° C	-25...+80° C
Grado di protezione	Enclosure		IP 20	
Allacciamento	Connection		Morsetti estraibili / Pluggable terminal blocks	Morsetti a vite / Screw terminal blocks
Sezione cavi flessibili	Fine-wired section		max 2,5 mm ²	
Montaggio	Mounting		A scatto su profilo / Snap-in mounting on DIN TS32-TS35	
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]		12,5 x 99 x 111	11,2 x 60 x 67
Standards e Approvazioni		Standards and Approvals		
EMC	EMC		EN61326	



Ingresso Input	Uscita Output	Alimentazione Power Supply	Isolamento Insulation	Tipo Type	Codice Code
±10 V, 0(2)...10 V, ±5 V, 0(1)...5 V ±20 mA, 0(4)...20 mA, ±10 mA, 0(4)...10 mA (selez. tramite DIP Switch / switch select.)	±10 V, 0(2)...10 V, ±5 V, 0(1)...5 V ±20 mA, 0(4)...20 mA, ±10 mA, 0(4)...10 mA (selez. tramite DIP Switch / switch select.)	20...230 Vac/dc	4 kVAC	EMIS±10V±10V/20253VA/C	64EDB6200
0(4)...20 mA	0(4)...20 mA	24 Vac/dc	2,5 kVAC	EMIS020020/24A/C	64EN28K12
0...10 V	4...20 mA	24 Vac/dc	2,5 kVAC	EMIS010420/24A/C	64EN28K54
4...20 mA	0...10 V	24 Vac/dc	2,5 kVAC	EMIS420010/24A/C	64EN28K36

**Caratteristiche d'ingresso****Input characteristics**

Segnale di ingresso	Input signal	Pt100 / Pt1000 (selezionabile, <i>switchable</i>)
Connessione / Resist. filo	Connection / Wire resist.	2-wire, 3-wire, 4-wire / < 10 Ohms (for wire)
Corrente sensore	Sensor current	1 mA / 0,1 mA (for Pt1000)
Diagnostica	Diagnostic	Sensore, filo interrotto / Sensor, wire break

Caratteristiche uscita**Output characteristics**

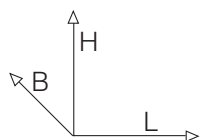
Tensione / Carico	Voltage / Load	0...10 V / ≤ 5 mA (2 kOhms at 10 V)
Corrente / Carico	Current / Load	0(4)...20 mA (selezionabile, <i>switchable</i>) / ≤ 10 V (500 Ohms at 20 mA)
Disturbo residuo	Ripple	< 10 mVrms
Errore sensore	Sensor break action	Uscite in corrente / Current output ≥ 22 mA - Uscite in tensione / Voltage output ≥ 11 V

Dati tecnici**Specifications**

Tensione ausiliaria	Power supply	20...253 Vac/dc, ac 48...62 Hz, 3 VA - dc 1,5 W
Linearità	Linearity	< 0,2 % of span
Coeff. di temperatura	Temperature coefficient	< 0,01° C/Kamb. + 0,02 %/K del valore finale / of final value
Calibrazione	Calibration	± 0,1° C
Tempo di risposta	Response time	< 50 ms
Isolamento	Insulation	2,5 kVAC, 50 Hz
Tensione di Lavoro	Working voltage	600 V
Temperatura di esercizio	Operative temperature	-10...+60° C
Temperatura di stoccaggio	Storage temperature	-20...+80° C
Grado di protezione	Enclosure	IP 20
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²
Montaggio	Mounting	A scatto su profilo / Snap-in mounting on DIN TS32-TS35
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]	12,5 x 99 x 111

Standards e Approvazioni**Standards and Approvals**

EMC	EMC	EN61326-1
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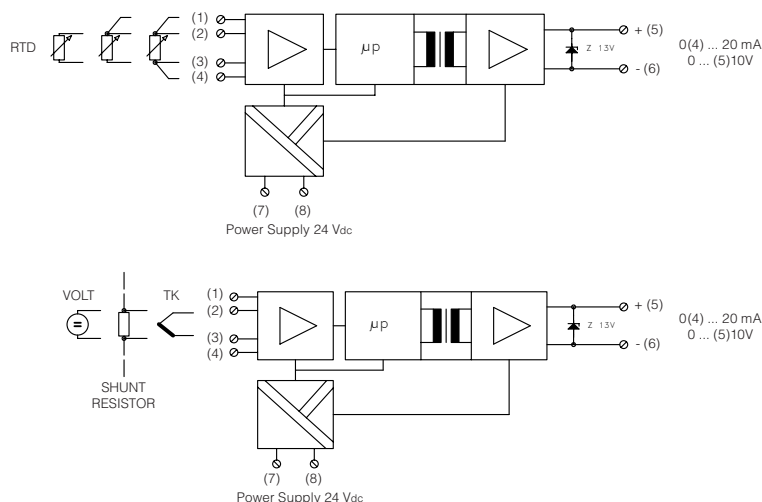
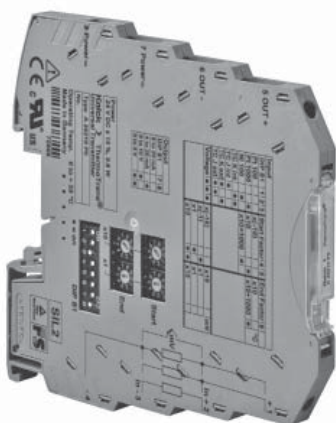
**Settaggi / Setting**

Ingresso Input	Uscita Output	Tipo Type	Codice Code
0...100° C	0...10 V	EMPT100V/20253VA/C	64EDR4701
0...200° C	0...10 V	EMPT200V/20253VA/C	64EDR4702
0...100° C	4...20 mA	EMPT100I/20253VA/C	64EDR4703
0...200° C	4...20 mA	EMPT200I/20253VA/C	64EDR4704

Input	Switch 1			
	1	2	3	4
2-wire	ON	ON	ON	
3-wire		ON	ON	
4-wire			ON	
Pt100				ON
Pt1000				

Per altre tarature (-50...+500° C) contattare la Sede per prezzi e quantitativi minimi.

Please contact us for different calibration (-50...+500° C) for price and minimal quantity.

**Caratteristiche d'ingresso****Input characteristics**

Ingresso termoresistenza	Resistance thermometers input	
PT100	PT100	-200...+850° C
PT1000	PT1000	-200...+850° C
NI100	NI100	-60...+180° C
Connessione	Connection	2, 3, 4 Fili / Wire
Massima resistenza di linea	Max line resistance	100 Ohm
Alimentazione in Corrente	Supply current	200 μA, 400 μA, 500 μA
Coeff. di temperatura d'ingresso	Temperature coefficient input	< 50ppm/K (Temp. 23° C)

Ingresso termocoppia**Tyhermocouples input**

Tipo J	Type J	-210...+1200° C
Tipo K	Type K	-200...+1375° C
Resistenza d'ingresso	Input resistance	> 10 MOhm
Massima resistenza di linea	Max line resistance	1 KOhm
Limite di errore d'ingresso	Input error line	± 10 μV +5%
Coeff. di temperatura d'ingresso	Temperature coefficient input	< 50ppm/K (Temp. 23° C)

Ingresso shunt di tensione**Shunt voltages input**

Ingresso	Input	-1000...+1000 mV
Resistenza d'ingresso	Input resistance	> 10 MOhm
Limite di errore d'ingresso	Input error line	± 200 μV +0,05%
Coeff. di temperatura d'ingresso	Temperature coefficient input	< 50ppm/K (Temp. 23° C)

Caratteristiche uscita**Output characteristics**

Uscita	Output	0...20 mA, 4...20 mA, 0...5 V, 0...10 V
Risoluzione	Resolution	16 bits
Carico	Load	< 500 Ohm at 20 mA / 10 KOhm at 10V
Limite di errore d'uscita	Output error line	± 10 μA / ± 5 μV
Residuo ripple	Residual ripple	< 10 mV
Coeff. di temperatura d'uscita	Temperature coefficient Output	< 50ppm/K (Temp. 23° C)

Dati generali**General data**

Alimentazione	Power supply	24 Vdc (-20%, +25%) 1,2 W
Isolamento galvanico	Galvanic isolation	Ingresso/Uscita/Alimentazione / Input/Output/Supply
Test in tensione	Test voltage	2,5 kVac, 50 Hz
Tensione di Lavoro	Working voltage	300 Vac-dc
Montaggio	Mounting	A scatto su profilo / Snap-in mounting on DIN TS32-TS35
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]	6,1 x 93 x 111

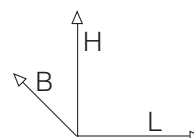
Segnalazioni**Display**

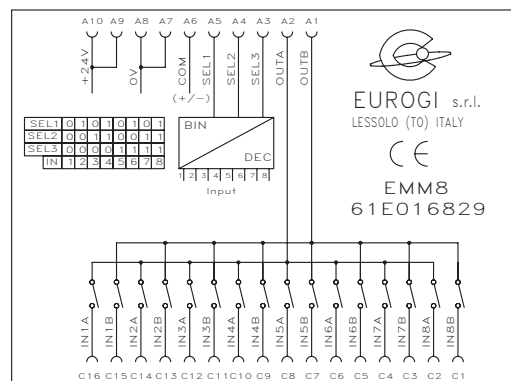
Alimentazione	Power supply	Led verde / Green led
Tipo di connessione	Connection type	Led giallo / Yellow led
Errore	Device failure	Led rosso / Red led

Approvazioni**Standards and approvals**

Protezioni esplosioni	Explosion protection	ATEX Zone 2 (EN60079-15) - (UL1604)
EMC	EMC	EN61326, Class B
cURus	cURus	File n. 220033 Standard : UL508, CAN/CSA 22.2

Tipo Type	Codice Code
EMPTKJU/24C	64EA20210





Ingressi / Uscite	Input / Output
RTDs	RTDS
TC	TC
PTC, NTC	PTC, NTC
Ohm	Ohm
V	V
A	A
Conversione	Conversion

PT100, PT1000, NI100 (2 fili / wires)
B, E, J, K, L, N, R, S, T, U

0...± 100 V dc/ac

0...± 1 A dc/ac

1:1

Dati tecnici	Specifications
Tensione ausiliaria	Power supply
Corrente assorbita	Absorbed current
Segnali digitale	digital signal
Tempo di risposta	Response time
Durata meccanica	Endurance mechanical
Tensione min. commutabile	Min switching voltage
Corrente min. commutabile	Min switching current
Resistenza di contatto	Contact resistance
Temperatura di esercizio	Operative temperature
Temperatura di stoccaggio	Storage temperature
Grado di protezione	Enclosure
Allacciamento	Connection
Sezione cavi flessibili	Fine-wired section
Montaggio	Mounting
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]

24 Vdc ± 10%

100 mA

24 Vdc ± 10% Pnp/Npn

4 mSec. Max

50.000.000 Operazioni / Operations

100 µV

10 µA

75 mOhm

0...+50° C

-25...+70° C

IP 20

Morsetti estraibili / Pluggable terminal blocks

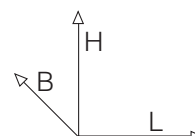
max 2,5 mm²

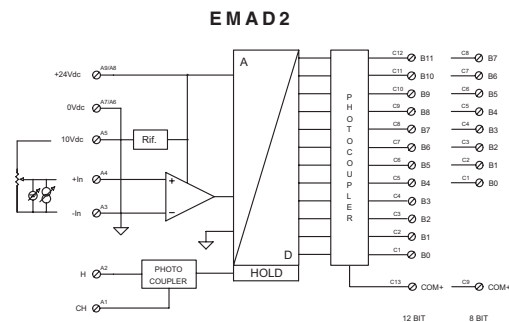
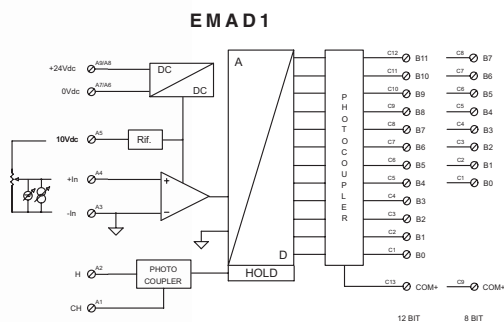
A scatto su profilo / Snap-in mounting on DIN TS32-TS35

22,5 x 120 x 112

Selezione ingressi Input Selection			
S1	S2	S3	Canale Channel
0	0	0	IN1
1	0	0	IN2
0	1	0	IN3
1	1	0	IN4
0	0	1	IN5
1	0	1	IN6
0	1	1	IN7
1	1	1	IN8

Tipo Type	Codice Code
EMM8/C	61E016829



**Caratteristiche d'ingresso****Input characteristics****EMAD1****EMAD2**

Tensione / Impedenza	Voltage / Impedance	0... ± 10 Vdc / > 1 MOhm
Comando hold	Hold command	24 Vdc / 5 mA

Caratteristiche uscita**Output characteristics**

Tensione / Carico	Voltage / Load	PNP 24 Vdc / 50 mA
Isolamento	Insulation	4 KVAc
Tempo risposta 10...90 %	Response time 10...90 %	10 mSec.
Memorizzazione uscite (hold)	Output memorization (hold)	0,1 mSec.
Classe di Errore	Error class	± ½ LSB

Dati tecnici**Specifications**

Tensione ausiliaria	Power supply	20...35 Vdc, 100 mA	24 Vdc ± 10%, 100 mA
Isolamento	Insulation	500 Vac	/
Temperatura di esercizio	Operative temperature	0...+50° C	
Temperatura di stoccaggio	Storage temperature	-25...+70° C	
Grado di protezione	Enclosure	IP 20	
Allacciamento	Connection	Morsetti estraibili / Pluggable terminal blocks	
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²	
Montaggio	Mounting	A scatto su profilo / Snap-in mounting on DIN TS32-TS35	
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]	22,5 x 113 x 100	

**Con isolamento
With insulation**

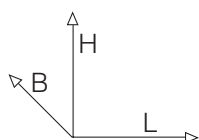
Ingresso Input	Uscita Output	Tipo Type	Codice Code
0...10 Vdc	8 BIT	EMAD108/010	61E024980

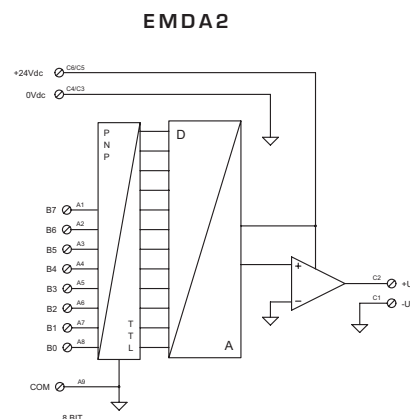
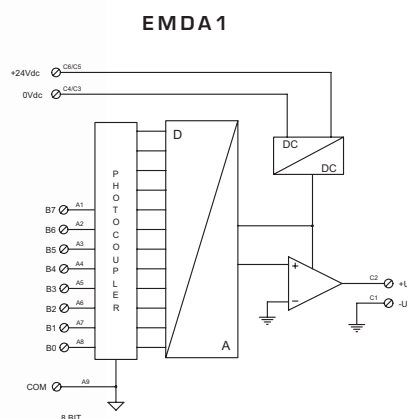
**Senza isolamento
Without insulation**

Ingresso Input	Uscita Output	Tipo Type	Codice Code
0...10 Vdc	8 BIT	EMAD208/010	61E024990
0...10 Vdc	12 BIT	EMAD212/010	61E024995

Per ingresso in corrente contattare la sede.

Please contact us for input current.





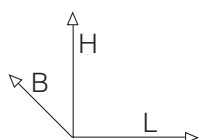
Caratteristiche d'ingresso	Input characteristics	EMDA1	EMDA2
Tensione / Carico	Voltage / Load	PNP 24 Vdc / 5 mA	PNP 24 Vdc / 5 mA
Isolamento	Insulation	500 VAC	/
Caratteristiche uscita	Output characteristics		
Tensione / Impedenza	Voltage / Impedance	0...± 10 Vdc / 20 mA	
Tempo risposta 10...90 %	Response time 10...90 %	10 mSec.	
Classe di Errore	Error class	± ½ LSB	
Dati tecnici	Specifications		
Tensione ausiliaria	Power supply	20...35 Vdc	24 Vdc ± 10%
Corrente assorbita	Absorbed current	100 mA	100 mA
Isolamento	Insulation	500 VAC	/
Temperatura di esercizio	Operative temperature	0...+50° C	
Temperatura di stoccaggio	Storage temperature	-25...+70° C	
Grado di protezione	Enclosure	IP 20	
Allacciamento	Connection	Morsetti estraibili / Pluggable terminal blocks	
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²	
Montaggio	Mounting	A scatto su profilo / Snap-in mounting on DIN TS32-TS35	
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]	22,5 x 113 x 100	

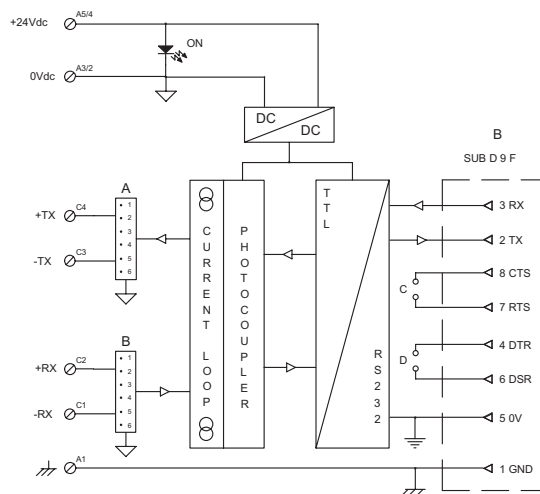
Con isolamento With insulation			
Ingresso Input	Uscita Output	Tipo Type	Codice Code
8 BIT	0...10 Vdc	EMDA108/010	61E025000

Senza isolamento Without insulation			
Ingresso Input	Uscita Output	Tipo Type	Codice Code
8 BIT	0...10 Vdc	EMDA208/010	61E025010

Per uscita in corrente contattare la sede.

Please contact us for output current.



**Caratteristiche d'ingresso****Input characteristics**

Segnale	Signal	Standard RS232
Velocità trasmissione	Baud Rate	110...19200 Baud

Caratteristiche uscita**Output characteristics**

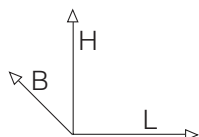
Segnale	Signal	20 mA
Massima distanza	Max. distance	400 m

Dati tecnici**Specifications**

Tensione ausiliaria	Power supply	20...35 Vdc, 100 mA
Isolamento	Insulation	500 VAC
Temperatura di esercizio	Operative temperature	0...+50° C
Temperatura di stoccaggio	Storage temperature	-25...+70° C
Grado di protezione	Enclosure	IP 20
Allacciamento	Connection	Morsetti estraibili / Pluggable terminal blocks Connettore SUB-D 9 femmina / SUB-D 9 Female connector
Sezione cavi flessibili	Fine-wired section	max 2,5 mm ²
Montaggio	Mounting	A scatto su profilo / Snap-in mounting on DIN TS32-TS35
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]	22,5 x 113 x 100

Segnale Signal	JP	Attivo Active	Passivo Inactive
TX	A	1-2 3-4 5-6	2-3 4-5
RX	B	1-2 3-4 5-6	2-3 4-5
DSR	C	ON	OFF
DTR	C	ON	OFF
RTS	D	ON	OFF
CTS	D	ON	OFF

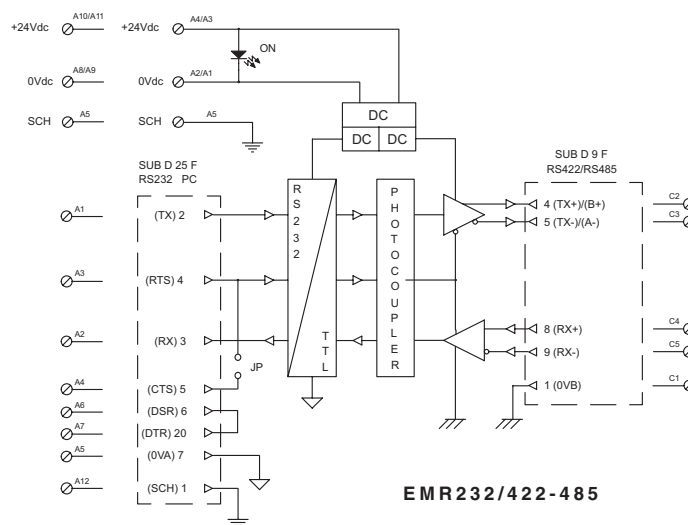
Tipo Type	Codice Code
EMRC24/C	61E016769



EMR232/.../C



EMR232/...M



EMR232/422-485

Caratteristiche d'ingresso**Input characteristics**

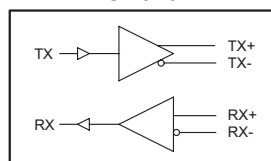
Segnale	Signal	Standard RS232
Velocità trasmissione	Baud Rate	110...19200 Baud

Caratteristiche uscita**Output characteristics**

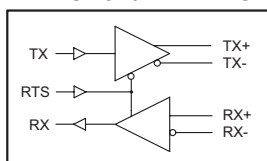
Segnale	Signal	RS422-RS485 Half duplex
Massima distanza	Max. distance	400 m

Dati tecnici**Specifications**

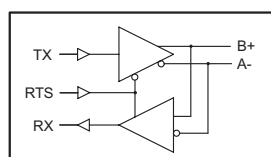
Tensione ausiliaria	Power supply	20...35 Vdc, 100 mA
Isolamento	Insulation	500 VAC
Temperatura di esercizio	Operative temperature	0...+50° C
Temperatura di stoccaggio	Storage temperature	-25...+70° C
Grado di protezione	Enclosure	IP 20
Allacciamento	Connection	Morsetti estraibili / Pluggable terminal blocks
Sezione cavi flessibili	Fine-wired section	Connettore SUB-D 9-25 femmina / SUB-D 9-25 Female connector max 2,5 mm ²
Montaggio	Mounting	A scatto su profilo / Snap-in mounting on DIN TS32-TS35
Dimensioni L x B x H [mm]	Dimensions L x B x H [mm]	22,5 x 113 x 100

RS232/422

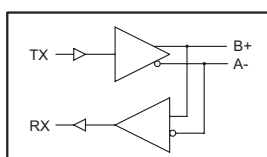
SW1 - OFF	SW4 - OFF
SW2 - ON	SW5 - ON
SW3 - OFF	SW6 - ON
	SW7 - ON

RS232/422 RTS

SW1 - ON	SW4 - ON
SW2 - OFF	SW5 - ON
SW3 - ON	SW6 - ON
	SW7 - ON

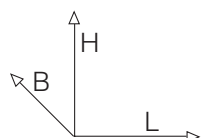
RS232/485 RTS

SW1 - ON	SW4 - ON
SW2 - ON	SW5 - OFF
SW3 - OFF	SW6 - ON

RS232/485 ECO

SW1 - OFF	SW4 - ON
SW2 - OFF	SW5 - OFF
SW3 - ON	SW6 - ON

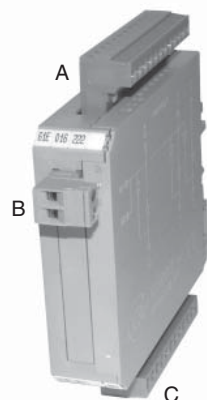
SW7 Resistenza di terminazione su TX / Resistance ending on TX
SW8 Resistenza di terminazione su RX / Resistance ending on RX



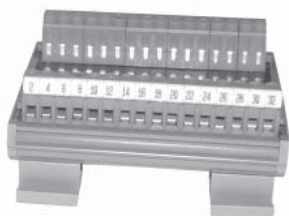
IN RS232	OUT RS422-485	Tipo Type	Codice Code
SUB-D 25F	SUB-D 9F	EMR232/422/C	61E016762
SUB-D 25F	SUB-D 9F	EMR232/485/C	61E016763
M	M	EMR232/422M	61E016764
M	M	EMR232/485M	61E016765

M = Morsetti estraibili / Pluggable terminal blocks

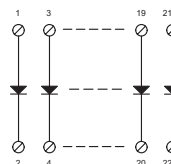
EMD.../C



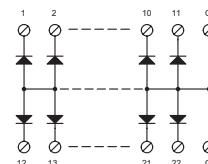
EMD...



EMD11I

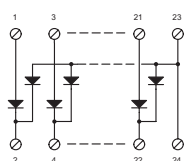


EMD22N

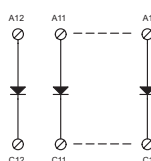


Dati tecnici	Specifications	EMD...	EMD.../C
Tensione max. lavoro	Max. work voltage	250 V	
Tensione inversa	Inverted voltage	1000 V	
Corrente max.	Max. current	1 A - 3 A	
Temperatura di esercizio	Operative temperature	0...+50° C	
Grado di protezione	Enclosure	IP 00	IP 20
Allacciamento	Connection	Morsetti a vite / Screw terminal blocks	Morsetti estr. / Pluggable term.blocks
Sezione cavi flessibili	Fine-wired section	max 1,5 mm ²	max 2,5 mm ²
Montaggio	Mounting	A scatto su profilo / Snap-in mounting on DIN TS32-TS35	

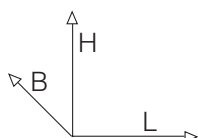
EMD24



EMD12I/C



Tipo Type	Codice Code	Dim. [mm] L x B x H	Versione Version
EMD24	61E016233	68 x 82 x 45	22 Diodi prova lampade / 22 Testing lamps diodes
EMD22	61E016230	68 x 82 x 45	22 Diodi catodo comune / 22 Common cathode diodes
EMD22N	61E016231	68 x 82 x 45	22 Diodi anodo comune / 22 Common anode diodes
EMD16I	61E016234	90 x 82 x 45	16 Diodi indipendenti / 16 Independent diodes
EMD11I	61E016232	68 x 82 x 45	11 Diodi indipendenti / 11 Independent diodes
EMD11	61E016240	45 x 82 x 45	11 Diodi catodo comune / 11 Common cathode diodes
EMD11N	61E016241	45 x 82 x 45	11 Diodi anodo comune / 11 Common anode diodes
EMD5I	61E016242	45 x 82 x 45	5 Diodi indipendenti / 5 Independent diodes
EMD5I/3A	61E016243	45 x 82 x 45	5 Diodi indipendenti 3 A / 5 Independent diodes 3 A
EMD11I/3A	61E016244	68 x 82 x 45	11 Diodi indipendenti 3 A / 11 Independent diodes 3 A
EMD8I/C	61E016206	22,5 x 113 x 100	8 Diodi indipendenti / 8 Independent diodes
EMD12I/C	61E016207	22,5 x 113 x 100	12 Diodi indipendenti / 12 Independent diodes



6A - Filtri EMC

6A - Electronic EMC Protection



Filtri Monofase M1,5
M1,5 Single Phase Filter

6A/1



Filtri Monofase M2,2
M2,2 Single Phase Filter

6A/3



Filtri Trifase T15
T15 Three Phase Filter

6A/9



Filtri Trifase TEL15
TEL15 Three Phase Filter

6A/15



Filtri Trifase TEL80
TEL80 Three Phase Filter

6A/23



Filtri Trifase T35
T35 Three Phase Filter

6A/27



Filtri Trifase + Neutro T3
T3 Three Phase + Neutral Filter

6A/43



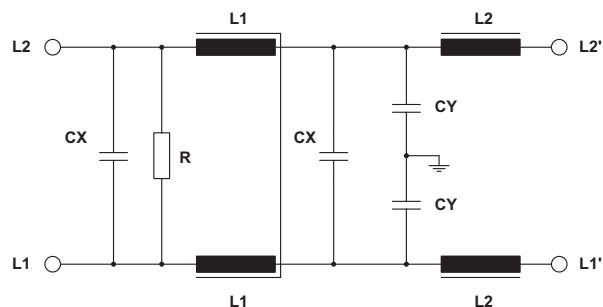
Filtri Trifase Parallelo TP25
TP25 Three Phase Parallel Filter

6A/49



Gruppi Antidisturbo per Motori Elettrici
Protection Groups for Electrical Motors

6A/71



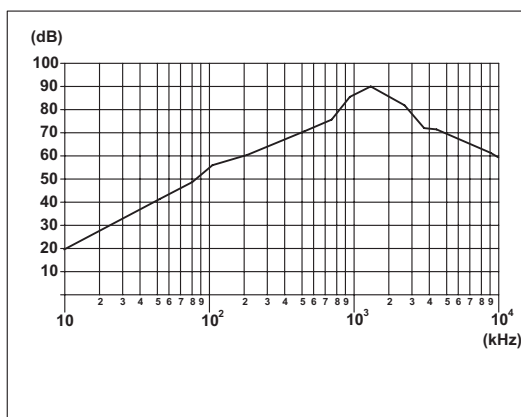
Dati tecnici

Corrente nominale (T=40° C)
Tensione nominale
Frequenza nominale
Tensione di prova fase/fase
Tensione di prova fase/terra
Categoria climatica
Corrente di fuga a 230V fase verso terra 50Hz 40° C

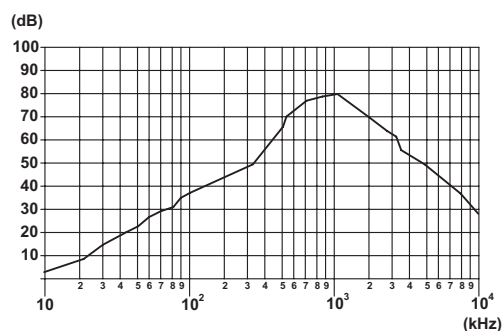
Specifications

Nominal current (T=40° C)	5...24 A
Nominal voltage	110...250 Vac
Nominal frequency	50/60 Hz
Phase to phase test voltage	1075 V (2s)
Phase to ground test voltage	2700 V (2s)
Climatic class	-25...+85° C
Leakage current at 230 phase to ground Volts 50Hz 40° C	<1,5 mA

Tipo Type	Codice Code	Corrente nominale Nominal current	CX (μF)	R (Kohm)	L1 (mH)	CY (μF)	L2 (mH)
EFM0540	65E000400	5 A	0,22	680	0,68	0,01	6
EFM1040	65E000401	10 A	0,22	680	0,68	0,01	6
EFM1640	65E000402	16 A	0,22	680	0,68	0,01	6
EFM2440	65E000403	24 A	0,22	680	0,68	0,01	6



Attenuazione di modo comune
Common mode attenuation



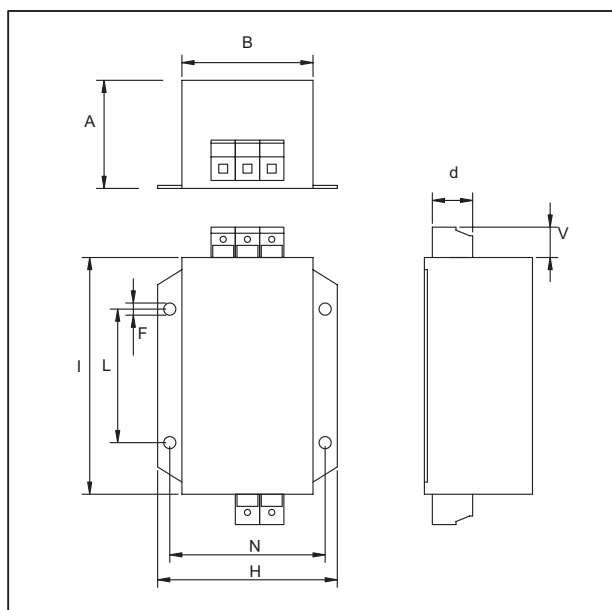
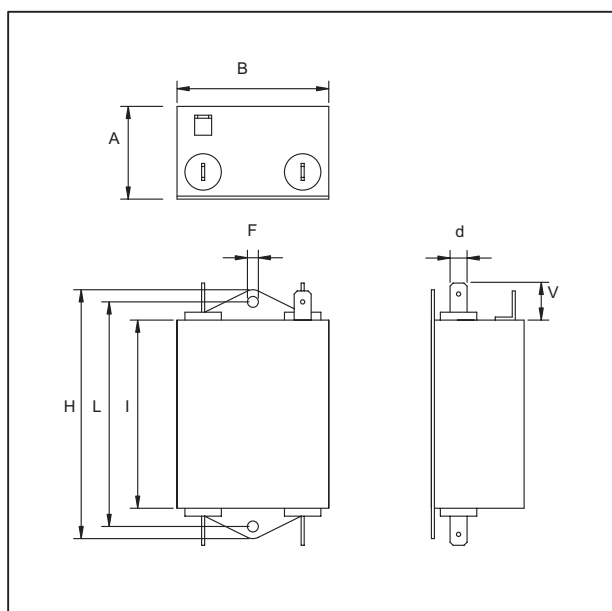
Attenuazione di modo differenziale
Differential mode attenuation

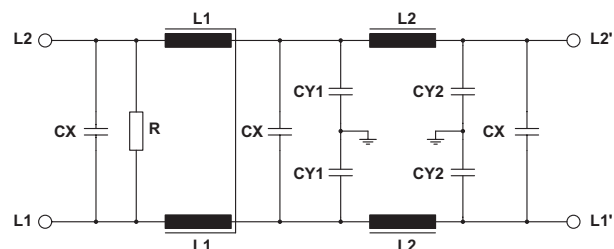
Dimensioni meccaniche [mm]
Mechanical dimensions [mm]

Tipo Type	A	B	H	N	F	L	I	V	d	Peso Weight	Custodia Case	Allacciamento Connection
EFM0540	29	51	84,5	-	5	74,5	63,5	13,5	6	0,13 Kg	A	F
EFM1040	33	51	84,5	-	5	74,5	63,5	13,5	6	0,18 Kg	A	F
EFM1640	39,5	51	102,5	-	5	86,5	75,5	13,5	6	0,26 Kg	A	F
EFM2440	49	51	70	60	5	51	92	13	22	0,46 Kg	B	M

F=Faston

M = Morsetti / Terminal blocks





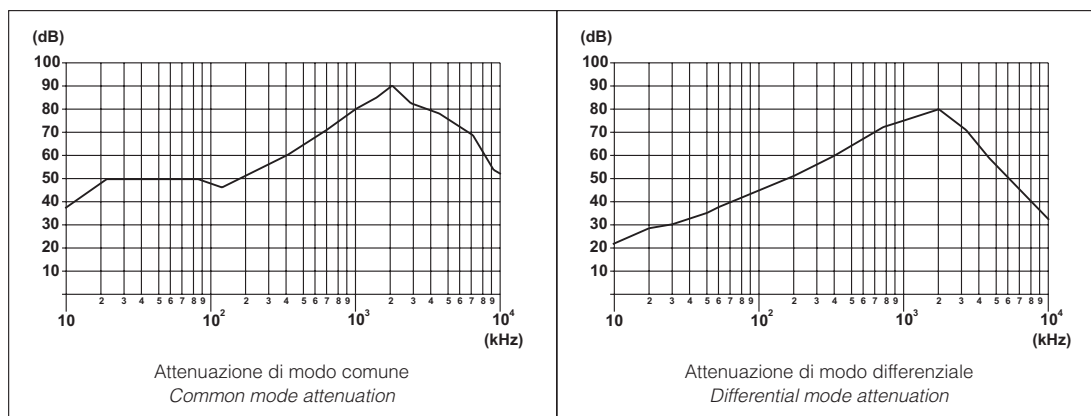
Dati tecnici

Corrente nominale (T=40° C)
Tensione nominale
Frequenza nominale
Tensione di prova fase/fase
Tensione di prova fase/terra
Categoria climatica
Corrente di fuga a 230V fase verso terra 50Hz 40° C

Specifications

Nominal current (T=40° C)	5...24 A
Nominal voltage	110...250 Vac
Nominal frequency	50/60 Hz
Phase to phase test voltage	1075 V (2s)
Phase to ground test voltage	2700 V (2s)
Climatic class	-25...+85° C
Leakage current at 230 phase to ground volts 50Hz 40° C	<2,2 mA

Tipo Type	Codice Code	Corrente nominale Nominal current	CX (μF)	R (Kohm)	L1 (mH)	CY1 (pF)	L2 (mH)	CY2 (μF)
EFM0550	65E000500	5 A	0,22	470	4	4700	4	0,01
EFM1050	65E000501	10 A	0,22	470	4	4700	4	0,01
EFM1650	65E000502	16 A	0,22	470	4	4700	4	0,01
EFM2450	65E000503	24 A	0,22	470	4	4700	4	0,01

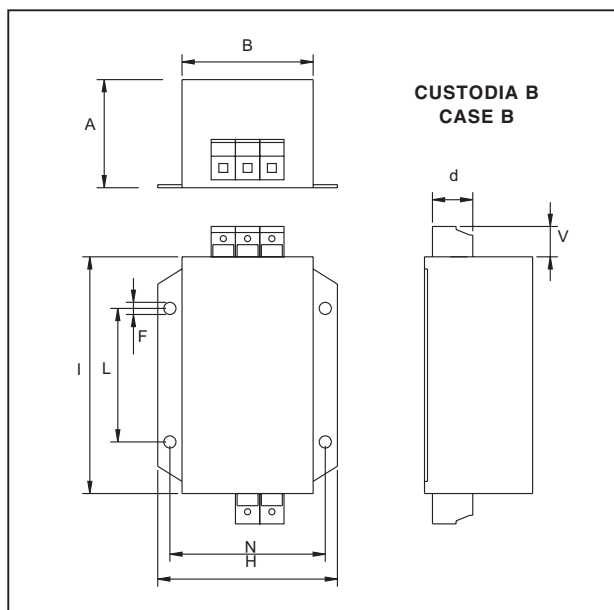
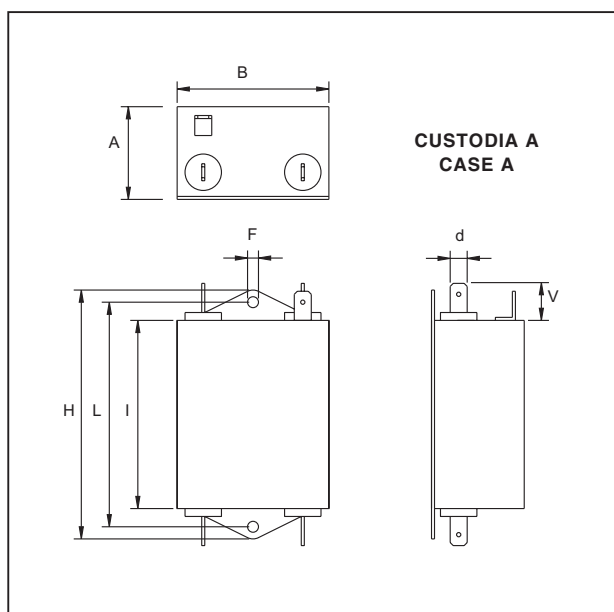


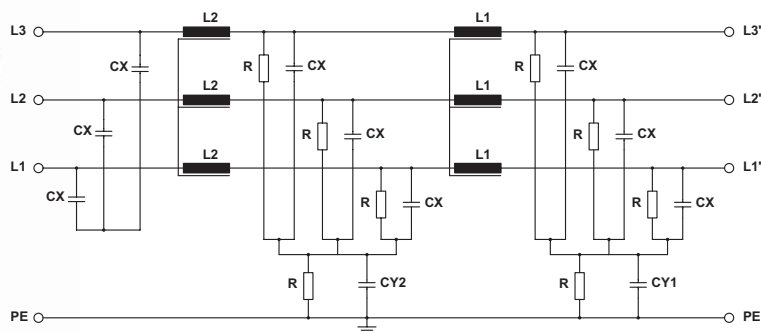
Dimensioni meccaniche [mm]
Mechanical dimensions [mm]

Tipo Type	A	B	H	N	F	L	I	V	d	Peso Weight	Custodia Case	Allacciamento Connection
EFM0550	39	51	84,5	-	5	74,5	63,5	13,5	6	0,20 Kg	A	F
EFM1050	49	51	102,5	-	5	86,5	75,5	13,5	6	0,35 Kg	A	F
EFM1650	45	84,5	104,5	95	6x4	51	99	13,5	6	0,70 Kg	B	F
EFM2450	49,5	84,5	104,5	95	6x4	51	99	13	22	0,93 Kg	B	M

F=Faston

M = Morsetti / Terminal blocks





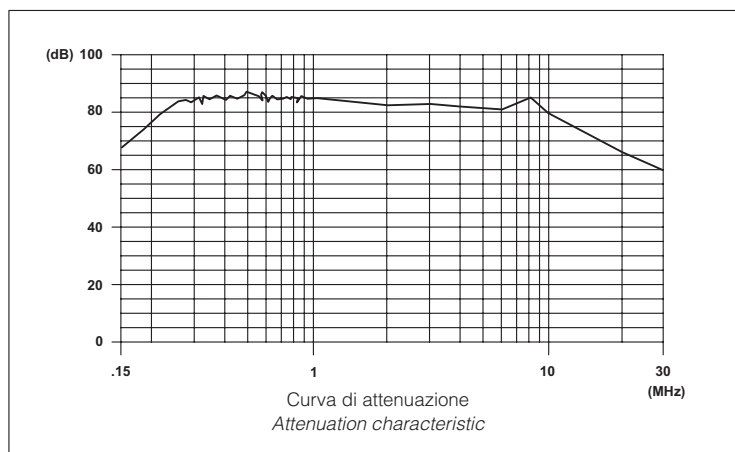
Attualmente in fase di omologazione UL
Currently under investigation by UL

Dati tecnici

Specifications

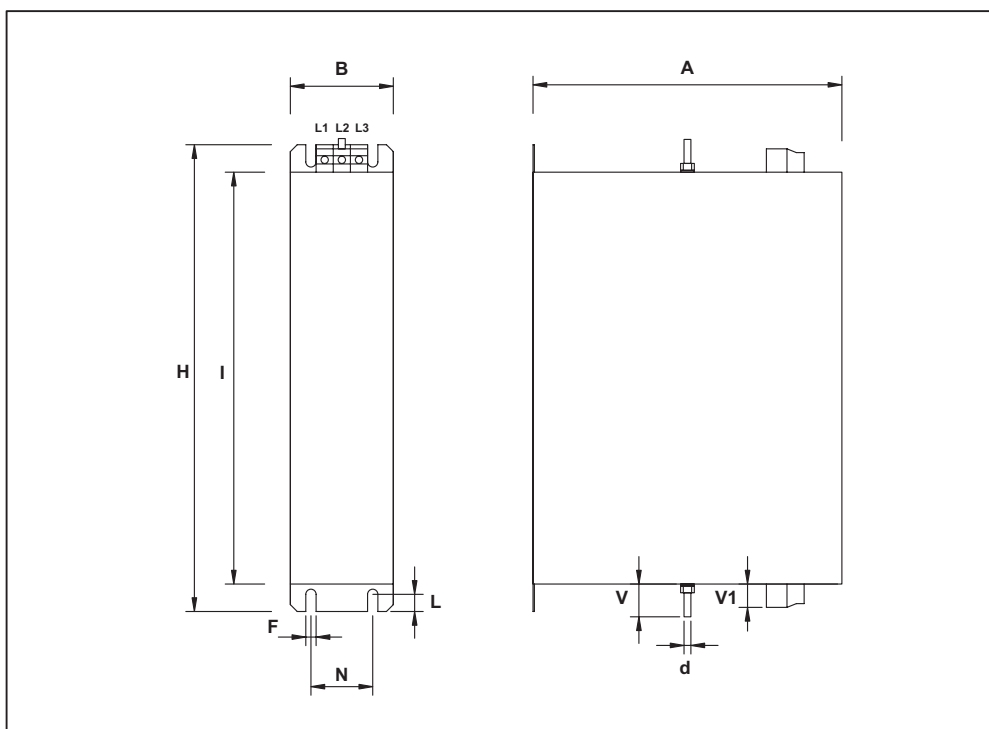
Corrente nominale (T=55° C)	Nominal current (T=55° C)	6...200 A
Tensione nominale	Nominal voltage	110...600 Vac
Frequenza nominale	Nominal frequency	50/60 Hz
Tensione di prova fase/fase	Phase to phase test voltage	2600 V (2s)
Tensione di prova fase/terra	Phase to ground test voltage	2100 V (2s)
Categoria climatica	Climatic class	-25...+85° C
Corrente di fuga a 230V fase verso terra 50Hz 40° C	Leakage current at 230 phase to ground volts 50Hz 40° C	<15 mA

Tipo Type	Codice Code	Corrente nom. (Ta 55° C) Nominal current	Corrente nom. (Ta 40° C) Nominal current	CX (μF)	CY1 (nF)	CY2 (nF)	L1 (mH)	L2 (mH)
EFTS006-15	65E170000	3x6 A	3x8 A	20	100	100	1,5	1,5
EFTS012-15	65E170001	3x12 A	3x14 A	20	100	100	1,5	1,5
EFTS016-15	65E170002	3x16 A	3x18 A	60	100	100	1,4	1,4
EFTS025-15	65E170003	3x25 A	3x28 A	60	100	100	1,3	1,3
EFTS032-15	65E170004	3x32 A	3x35 A	60	100	100	1,2	1,2
EFTS042-15	65E170005	3x42 A	3x50 A	60	100	100	1,1	1,1
EFTS055-15	65E170006	3x55 A	3x63 A	60	100	100	1,1	1,1
EFTS070-15	65E170007	3x70 A	3x80 A	60	100	100	1	1
EFTS080-15	65E170008	3x80 A	3x90 A	60	100	100	1	1
EFTS100-15	65E170009	3x100 A	3x110 A	60	100	100	0,9	0,9
EFTS115-15	65E170010	3x115 A	3x130 A	60	100	100	0,8	0,8
EFTS150-15	65E170011	3x150 A	3x175 A	60	100	100	0,7	0,7
EFTS200-15	65E170012	3x200 A	3x230 A	60	100	100	0,6	0,6



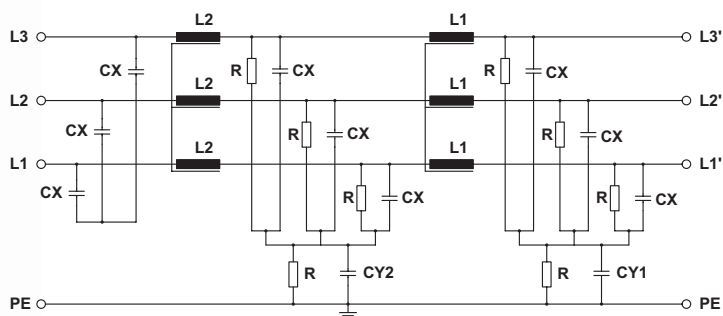
Dimensioni meccaniche [mm]
Mechanical dimensions [mm]

Tipo Type	A	B	V	V1	F	H	I	L	N	d	Cavo rigido Rigid cable	Cavo flessibile Flexible cable
EFTS006-15	140	50	19	11	6	226	200	7	28	M6	0,2...6 mm ²	0,2...4 mm ²
EFTS012-15	140	50	19	11	6	226	200	7	28	M6	0,2...6 mm ²	0,2...4 mm ²
EFTS016-15	177	60	19	11	6	267	237	8	34	M6	0,2...6 mm ²	0,2...4 mm ²
EFTS025-15	177	60	19	16	6	267	237	8	34	M6	0,2...10 mm ²	0,2...6 mm ²
EFTS032-15	177	60	19	16	6	267	237	8	34	M6	0,2...10 mm ²	0,2...6 mm ²
EFTS042-15	177	70	19	25	6	295	265	8	44	M6	0,5...16 mm ²	0,5...10 mm ²
EFTS055-15	177	70	19	33	6	295	265	8	44	M6	0,5...25 mm ²	0,5...16 mm ²
EFTS070-15	205	80	28	38	8	390	340	12	53	M10	6...35 mm ²	10...25 mm ²
EFTS080-15	205	80	28	38	8	390	340	12	53	M10	6...35 mm ²	10...25 mm ²
EFTS100-15	205	80	28	43	8	390	340	12	53	M10	16...50 mm ²	16...50 mm ²
EFTS115-15	205	80	28	43	8	390	340	12	53	M10	16...50 mm ²	16...50 mm ²
EFTS150-15	220	105	28	50	8	420	370	12	78	M10	25...95 mm ²	35...95 mm ²
EFTS200-15	220	105	28	50	8	420	370	12	78	M10	25...95 mm ²	35...95 mm ²





Attualmente in fase di omologazione UL
Currently under investigation by UL

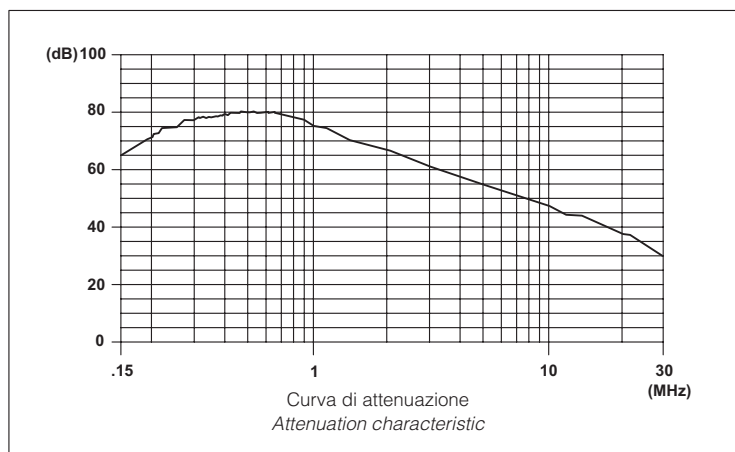


Dati tecnici

Specifications

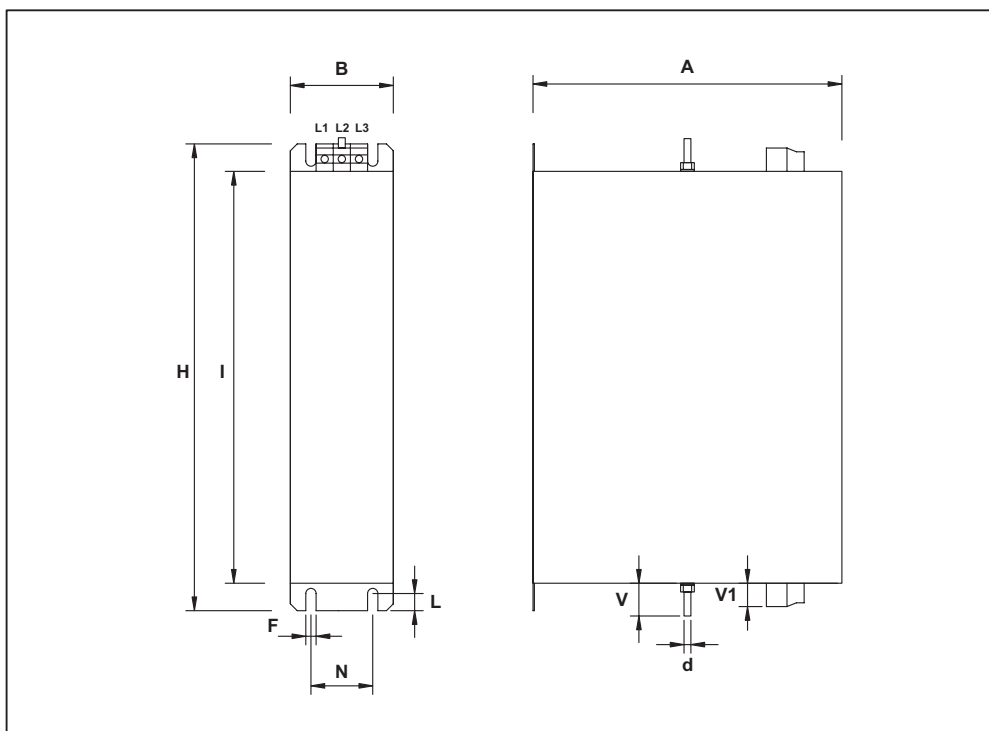
Corrente nominale (T=50° C)	Nominal current (T=50° C)	7...230 A
Tensione nominale	Nominal voltage	110...500 Vac
Frequenza nominale	Nominal frequency	50/60 Hz
Tensione di prova fase/fase	Phase to phase test voltage	2600 V (2s)
Tensione di prova fase/terra	Phase to ground test voltage	2100 V (2s)
Categoria climatica	Climatic class	-25...+85° C
Corrente di fuga a 230V fase verso terra 50Hz 40° C	Leakage current at 230 phase to ground volts 50Hz 40° C	<15 mA

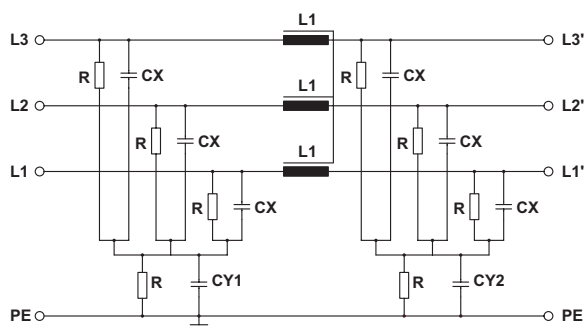
Tipo Type	Codice Code	Corrente nom.(Ta 50° C) Nominal current	Corrente nom.(Ta 40° C) Nominal current	CX (μF)	CY1 (nF)	CY2 (nF)	L1 (mH)	L2 (mH)
EFTS007EL-15	65E170020	3x6 A	3x7 A	20	100	100	1,5	1,5
EFTS013EL-15	65E170021	3x12 A	3x13 A	20	100	100	1,5	1,5
EFTS018EL-15	65E170022	3x16 A	3x18 A	20	100	100	1,4	1,4
EFTS027EL-15	65E170023	3x25 A	3x27 A	20	100	100	1,3	1,3
EFTS034EL-15	65E170024	3x32 A	3x34 A	20	100	100	1,2	1,2
EFTS040EL-15	65E170025	3x36 A	3x40 A	20	100	100	1,1	1,1
EFTS055EL-15	65E170026	3x50 A	3x55 A	20	100	100	1,1	1,1
EFTS070EL-15	65E170027	3x64 A	3x70 A	20	100	100	1	1
EFTS100EL-15	65E170028	3x90 A	3x100 A	20	100	100	1	1
EFTS110EL-15	65E170029	3x100 A	3x110 A	20	100	100	0,9	0,9
EFTS130EL-15	65E170030	3x120 A	3x130 A	20	100	100	0,8	0,8
EFTS150EL-15	65E170031	3x135 A	3x150 A	20	100	100	0,7	0,7
EFTS180EL-15	65E170032	3x165 A	3x180 A	20	100	100	0,7	0,7
EFTS200EL-15	65E170033	3x180 A	3x200 A	20	100	100	0,7	0,7
EFTS230EL-15	65E170034	3x210 A	3x230 A	20	100	100	0,6	0,6



Dimensioni meccaniche [mm]
Mechanical dimensions [mm]

Tipo Type	A	B	V	V1	F	H	I	L	N	d	Cavo rigido Rigid cable	Cavo flessibile Flexible cable
EFTS007EL-15	140	50	19	11	6	226	200	7	28	M6	0,2...6 mm ²	0,2...4 mm ²
EFTS013EL-15	140	50	19	11	6	226	200	7	28	M6	0,2...6 mm ²	0,2...4 mm ²
EFTS018EL-15	140	50	19	11	6	226	200	7	28	M6	0,2...6 mm ²	0,2...4 mm ²
EFTS027EL-15	140	50	19	15	6	226	200	7	28	M6	0,2...10 mm ²	0,2...6 mm ²
EFTS034EL-15	140	50	19	15	6	226	200	7	28	M6	0,2...10 mm ²	0,2...6 mm ²
EFTS040EL-15	140	50	19	55	6	226	200	7	28	M6	0,2...10 mm ²	0,2...6 mm ²
EFTS055EL-15	177	70	19	33	6	295	265	8	44	M6	0,5...16 mm ²	0,5...10 mm ²
EFTS070EL-15	177	70	19	33	6	295	265	8	44	M6	0,5...25 mm ²	0,5...10 mm ²
EFTS100EL-15	205	80	28	38	8	390	340	12	53	M10	6...35 mm ²	10...25 mm ²
EFTS110EL-15	205	80	28,5	38	8	390	340	12	53	M10	6...35 mm ²	10...25 mm ²
EFTS130EL-15	205	80	28,5	43	8	390	340	12	53	M10	16...50 mm ²	16...50 mm ²
EFTS150EL-15	205	80	28,5	43	8	390	340	12	53	M10	16...50 mm ²	16...50 mm ²
EFTS180EL-15	205	80	28,5	43	8	390	340	12	53	M10	16...50 mm ²	16...50 mm ²
EFTS200EL-15	220	105	28,5	50	8	420	370	12	78	M10	25...95 mm ²	35...95 mm ²
EFTS230EL-15	220	105	28,5	50	8	420	370	12	78	M10	25...95 mm ²	35...95 mm ²



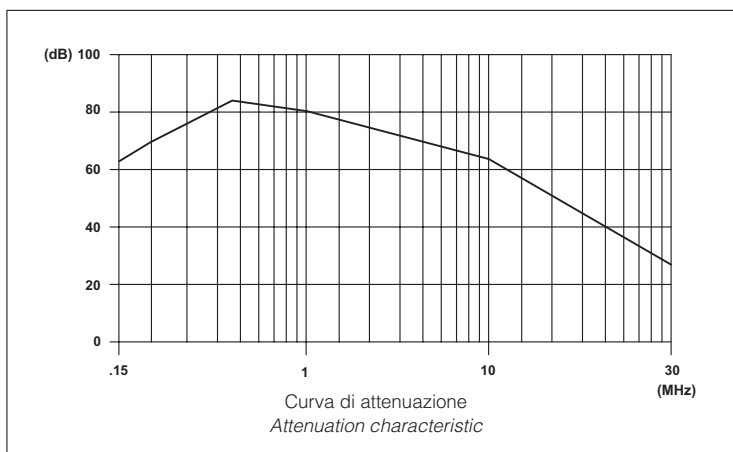


Dati tecnici

Specifications

Corrente nominale (T=50° C)	Nominal current (T=50° C)	7...1250 A
Tensione nominale	Nominal voltage	110...600 Vac
Frequenza nominale	Nominal frequency	50/60 Hz
Tensione di prova fase/fase	Phase to phase test voltage	2400 V (2s)
Tensione di prova fase/terra	Phase to ground test voltage	1800 V (2s)
Categoria climatica	Climatic class	-25...+85° C
Corrente di fuga a 230V fase verso terra 50Hz 40° C	Leakage current at 230 phase to ground volts 50Hz 40° C	<80 mA

Tipo Type	Codice Code	Corrente nom.(Ta 50° C) Nominal current	Corrente nom.(Ta 40° C) Nominal current	CX (μF)	CY1 (nF)	CY2 (nF)	L1 (mH)
EFTS007EL-80	65E538101	3x7 A	3x8 A	20	1000	1000	1,5
EFTS016EL-80	65E538102	3x16 A	3x18 A	20	1000	1000	1,5
EFTS030EL-80	65E538103	3x30 A	3x34 A	60	1000	1000	1,4
EFTS042EL-80	65E538104	3x42 A	3x47 A	60	1000	1000	1,3
EFTS055EL-80	65E538105	3x55 A	3x60 A	60	1000	1000	1,2
EFTS075EL-80	65E538106	3x75 A	3x83 A	60	1000	1000	1,1
EFTS100EL-80	65E538107	3x100 A	3x110 A	60	1000	1000	1,1
EFTS130EL-80	65E538108	3x130 A	3x142 A	60	1000	1000	1
EFTS180EL-80	65E538109	3x180 A	3x200 A	60	1000	1000	1
EFTS250EL-80	65E538110	3x250 A	3x272 A	60	1000	1000	0,7
EFTS360EL-80	65E538111	3x360 A	3x390 A	60	1000	1000	0,6
EFTS400EL-80	65E538112	3x400 A	3x435 A	60	1000	1000	0,6
EFTS500EL-80	65E538113	3x500 A	3x545 A	60	1000	1000	0,55
EFTS600EL-80	65E538114	3x600 A	3x654 A	60	1000	1000	0,55
EFTS1250EL-80	65E538117	3x1250 A	3x1290 A	60	1000	1000	0,45



Dimensioni meccaniche [mm]
Mechanical dimensions [mm]

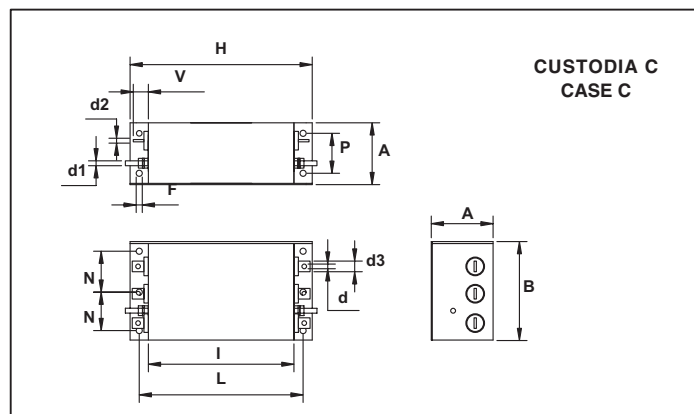
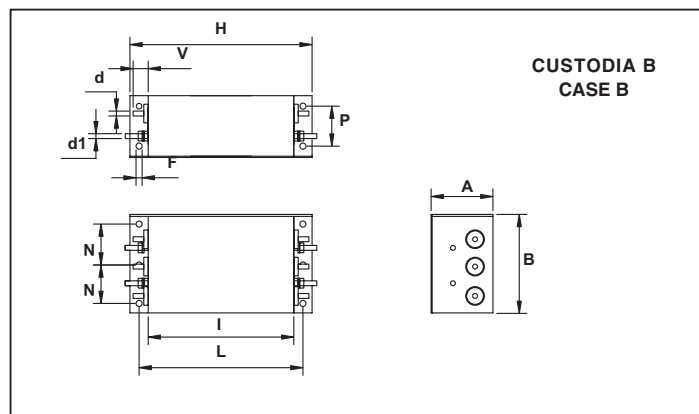
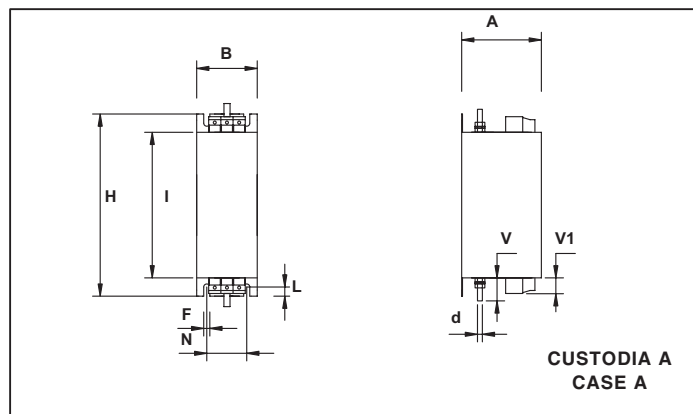
Tipo Type	A	B	V	V1	F	H	I	L	N	d	Custodia Case	Cavo rigido Rigid cable	Cavo flessibile Flexible cable
EFTS007EL-80	100	90	19	16	5,4	250	220	7,5	60	M6	A	0,2...10 mm ²	0,2...6 mm ²
EFTS016EL-80	100	90	19	16	5,4	250	220	7,5	60	M6	A	0,2...10 mm ²	0,2...6 mm ²
EFTS030EL-80	100	90	19	16	5,4	250	220	7,5	60	M6	A	0,2...10 mm ²	0,2...6 mm ²
EFTS042EL-80	100	90	19	35	5,4	250	220	7,5	60	M6	A	0,5...16 mm ²	0,5...10 mm ²
EFTS055EL-80	100	90	19	35	5,4	250	220	7,5	60	M6	A	0,5...16 mm ²	0,5...10 mm ²
EFTS075EL-80	135	85	18,5	39	6,5	270	240	7,5	60	M6	A	6...35 mm ²	10...25 mm ²
EFTS100EL-80	150	90	23,5	43	6,5	270	240	7,5	65	M10	A	16...50 mm ²	16...50 mm ²
EFTS130EL-80	150	90	23,5	43	6,5	270	240	7,5	65	M10	A	16...50 mm ²	16...50 mm ²
EFTS180EL-80	170	120	23,5	51	6,5	380	350	7,5	102	M10	A	25...95 mm ²	35...95 mm ²

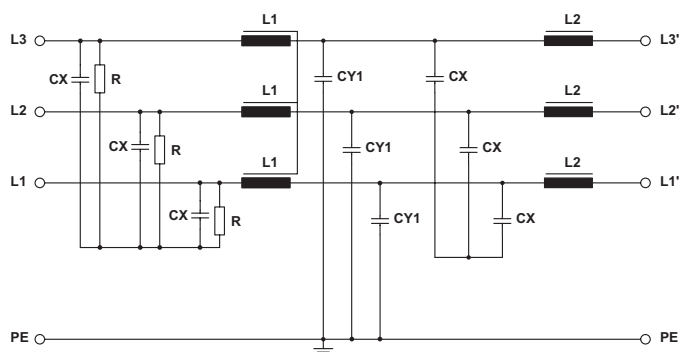
Dimensioni meccaniche [mm]
Mechanical dimensions [mm]

Tipo Type	A	B	d/d1	V	F	H	I	L	N	P	Custodia Case
EFTS250EL-80	90	220	M12/M12	30	6,5	356	320	340	95	70	B

Dimensioni meccaniche [mm]
Mechanical dimensions [mm]

Tipo Type	A	B	d	d1	d2	d3	V	F	H	I	L	N	P	Custodia Case
EFTS360EL-80	130	230	8,5	M10	10	20	27	6,5	420	380	400	100	100	C
EFTS400EL-80	130	230	8,5	M10	10	20	27	6,5	420	380	400	100	100	C
EFTS500EL-80	130	230	10,5	M10	12	32	48	6,5	510	450	480	100	100	C
EFTS600EL-80	130	230	10,5	M10	12	32	48	6,5	510	450	480	100	100	C
EFTS1250EL-80	160	250	14	M12	20	40	94	8,5	510	450	480	100	110	C





Dati tecnici

Corrente nominale (T=40° C)
Tensione nominale
Frequenza nominale
Tensione di prova fase/fase
Tensione di prova fase/terra
Categoria climatica
Corrente di fuga a 230V fase verso terra 50Hz 40° C

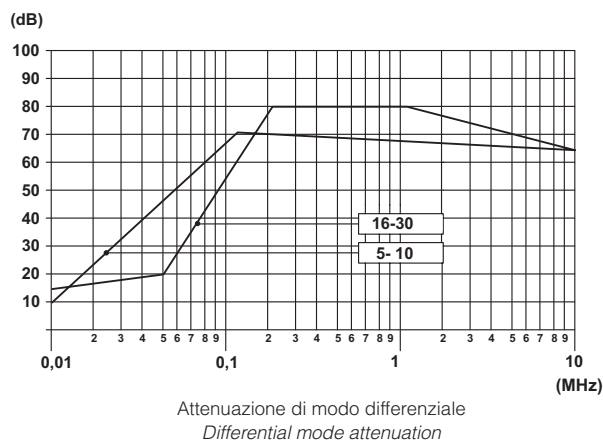
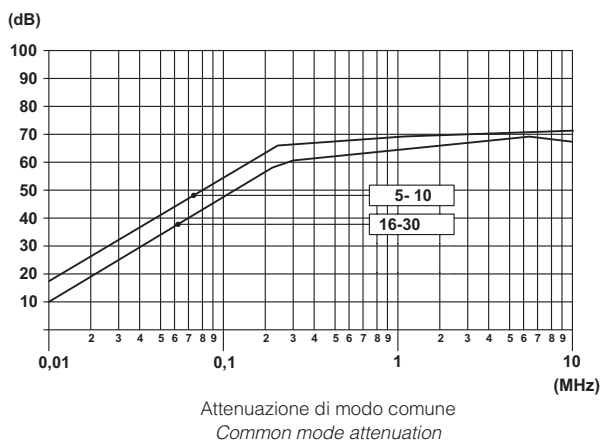
Specifications

Nominal current (T=40° C)	5...30 A
Nominal voltage	0...480 Vac
Nominal frequency	50/60 Hz
Phase to phase test voltage	2400 V (2s)
Phase to ground test voltage	1800 V (2s)
Climatic class	-25...+85° C
Leakage current at 230 phase to ground volts 50Hz 40° C	<10 mA

Tipo Type	Codice Code	Corrente nominale Nominal current	Tensione nominale Nominal voltage	CX (μF)	CY1 (nF)	L2 (mH)	L2 (μH)
EFTS05-35	65E005380	3x5 A	0...480 Vac	6,6	47	3X7	3X4
EFTS10-35	65E005381	3x10 A	0...480 Vac	6,6	47	3X5	3X4
EFTS16-35	65E005382	3x16 A	0...440 Vac	60	47	3X2	3X4
EFTS30-35	65E005384	3x30 A	0...440 Vac	60	47	3X2	3X4

Disponibile su richiesta versione HV con tensione nominale 0...600 Vac solo in custodia metallica.

Available upon request HV version with 0...600 Vac nominal voltage only in metallic case.



Dimensioni meccaniche [mm]
Mechanical dimensions [mm]

Tipo Type	L	d	E	I	P	A	C	T	H	Peso Weight	Custodia Case
EFTS05-35	59	4,5	10	35	130	112	166	4	146	1,15 Kg	A
EFTS10-35	59	4,5	10	35	130	112	166	4	146	1,15 Kg	A

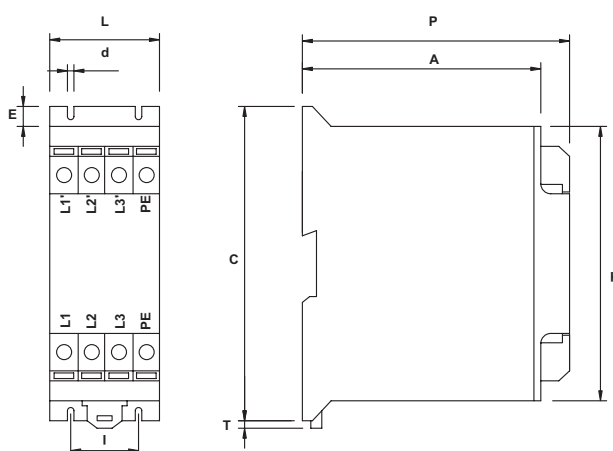
Dimensioni meccaniche [mm]
Mechanical dimensions [mm]

Tipo Type	A	B	d	V	F	H	I	L	N	P	Peso Weight	Custodia Case
EFTS16-35	90	100	M5	20,5	4,5	246	220	235	35	70	3,6 Kg	B
EFTS30-35	90	100	M5	20,5	4,5	246	220	235	35	70	3,8 Kg	B

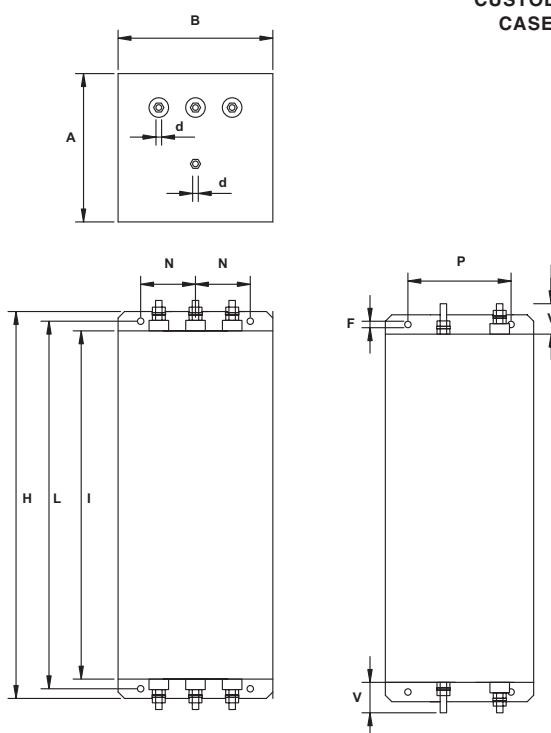
Il modulo è adatto per il montaggio a scatto su profilo DIN TS32 TS35.

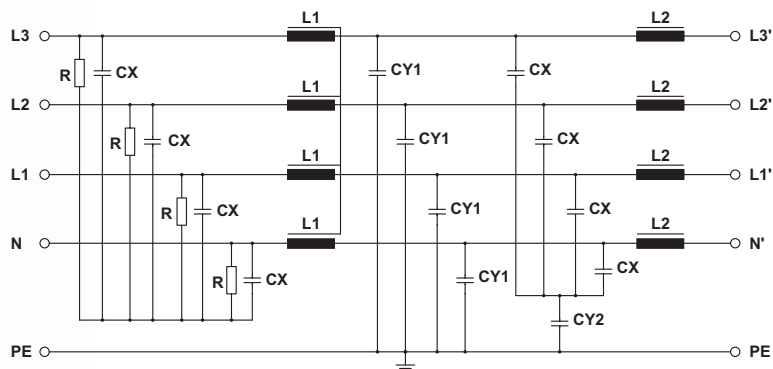
The module is suitable for snap-in mounting on DIN TS32 TS35 channelling.

CUSTODIA A
CASE A



CUSTODIA B
CASE B



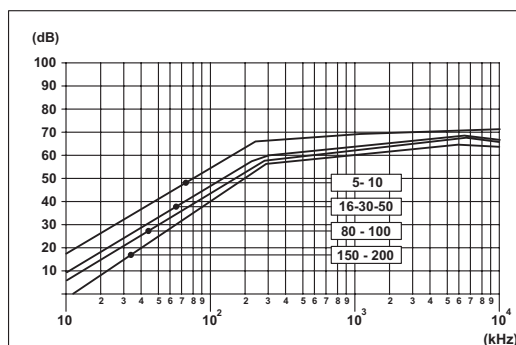


Dati tecnici

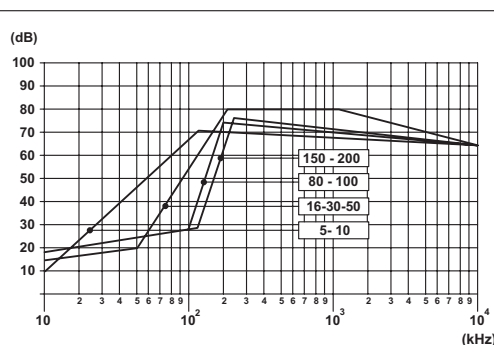
Specifications

Corrente nominale (T=40° C)	Nominal current (T=40° C)	5...150 A
Tensione nominale	Nominal voltage	110...440 Vac
Frequenza nominale	Nominal frequency	50/60 Hz
Tensione di prova fase/fase	Phase to phase test voltage	2400 V (2s)
Tensione di prova fase/terra	Phase to ground test voltage	1800 V (2s)
Categoria climatica	Climatic class	-25...+85° C
Corrente di fuga a 230V fase verso terra 50Hz 40° C	Leakage current at 230 phase to ground volts 50Hz 40° C	<3 mA

Tipo Type	Codice Code	Corrente nom. (Ta 40° C) Nominal current	CX (μF)	CY1 (nF)	CY2 (nF)	L1 (mH)	L2 (mH)
EFTNS005	65E001240	4x5 A	2,2	40	5	4x7	4x4
EFTNS010	65E001241	4x10 A	2,2	40	5	4x5	4x4
EFTNS016	65E001242	4x16 A	10	40	5	4x2	4x4
EFTNS030	65E001243	4x30 A	10	40	5	4x2	4x4
EFTNS050	65E001244	4x50 A	10	40	5	4x2	4x4
EFTNS080	65E001245	4x80 A	10	40	5	4x1,8	4x4
EFTNS100	65E001246	4x100 A	10	40	5	4x1,5	4x4
EFTNS150	65E001247	4x150 A	10	40	5	4x1,3	4x2



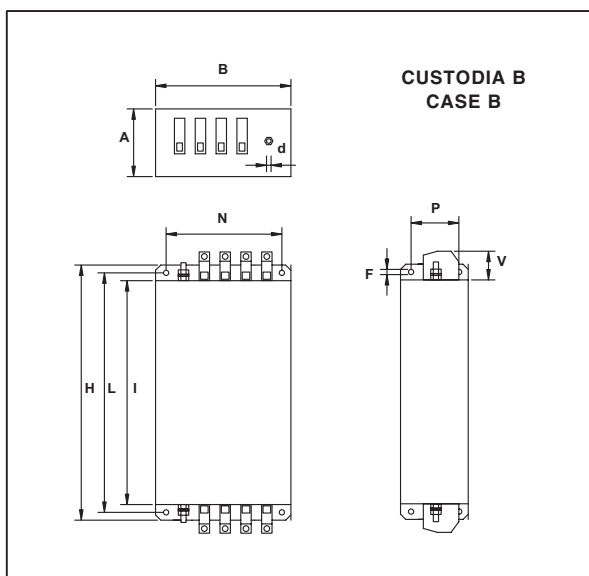
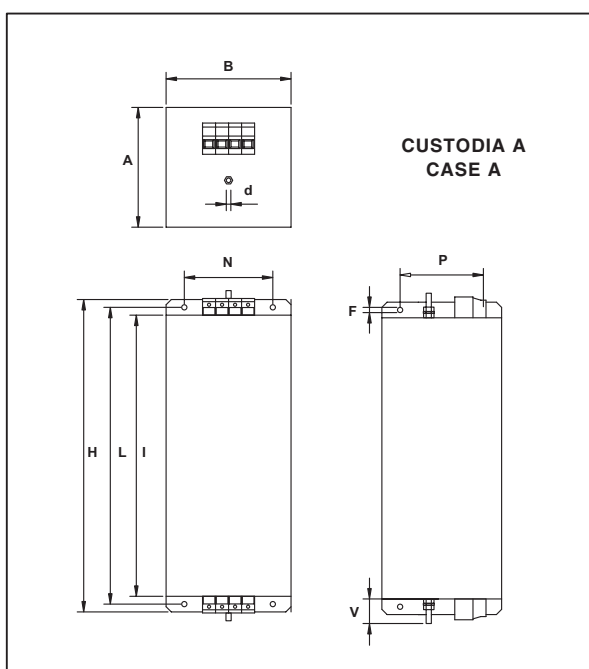
Attenuazione di modo comune
Common mode attenuation

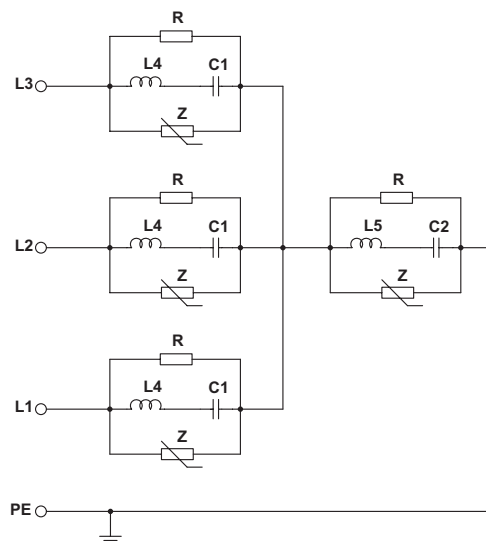


Attenuazione di modo differenziale
Differential mode attenuation

Dimensioni meccaniche [mm]
Mechanical dimensions [mm]

Tipo Type	A	B	d	V	F	H	I	L	N	P	Peso Weight	Custodia Case
EFTNS005	35,8	38,6	M4	13	4,5	186	160	176	60	40	1,5 Kg	A
EFTNS010	35,8	38,6	M4	13	4,5	186	160	176	60	40	1,5 Kg	A
EFTNS016	90	100	M5	13	4,5	245	220	230	70	70	2,0 Kg	A
EFTNS030	90	100	M5	16	4,5	245	220	230	70	70	2,5 Kg	A
EFTNS050	90	100	M6	24,5	4,5	245	220	230	70	70	3,0 Kg	A
EFTNS080	90	186	M8	38,5	6,5	356	320	340	15,5	70	12 Kg	B
EFTNS100	90	186	M8	38,5	6,5	356	320	340	15,5	70	13 Kg	B
EFTNS150	90	221	M11	43	6,5	356	320	340	19	70	15 Kg	B



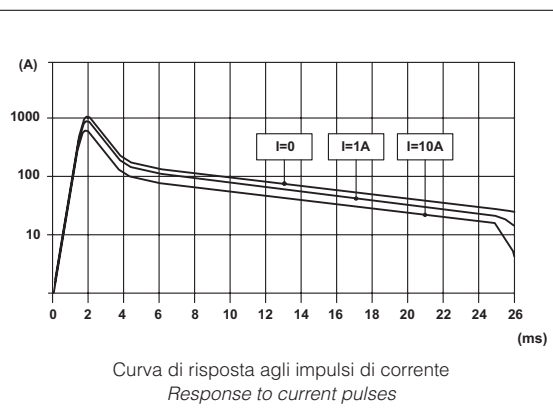
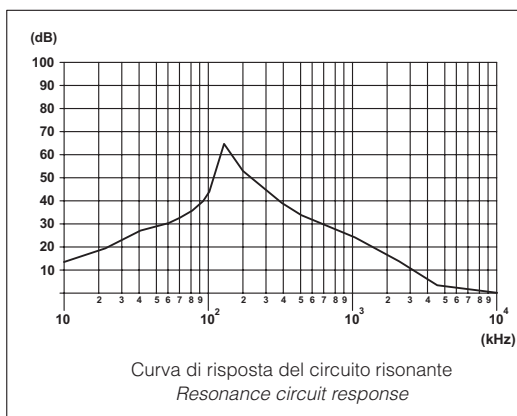


Dati tecnici

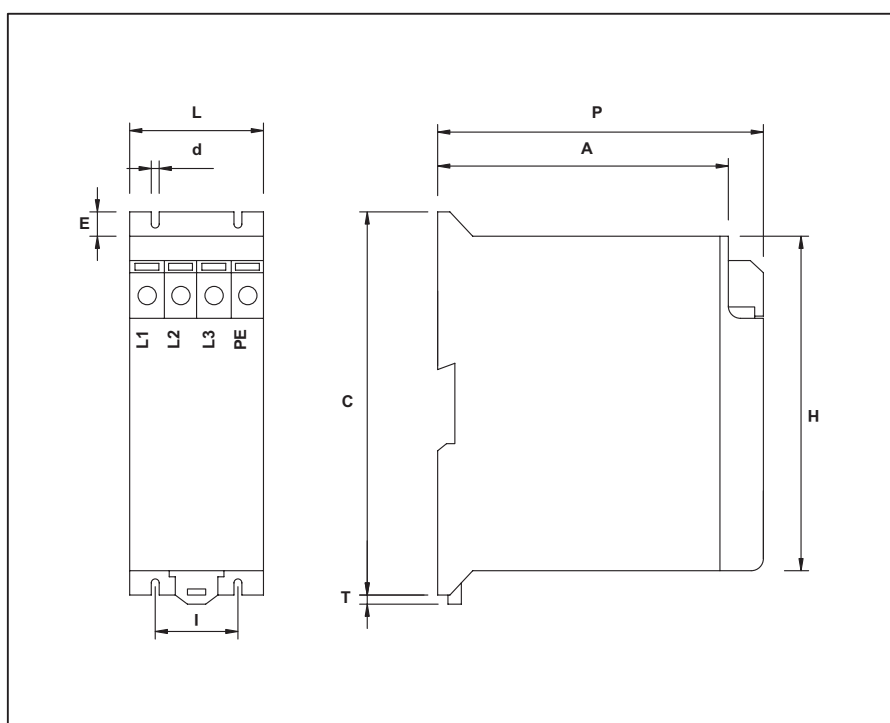
Specifications

Tensione nominale	Nominal voltage	600V - 50/60 Hz
Tensione di prova fase/fase	Phase to phase test voltage	3000 V (2s)
Tensione di prova fase/terra	Phase to ground test voltage	2250 V 50 Hz (2s)
Resistenza isolamento fase/fase	Phase to phase insulation resistance	>2 Mohm
Resistenza isolamento fase/terra	Phase to ground insulation resistance	>2 Mohm
Categoria climatica	Climatic class	-25...+85° C
Corrente di fuga a 230V 50Hz 40° C	Leakage current at 230 V 50Hz 40° C	<25 mA (EFTP) / <75 mA (EFTP1)
Capacità	Rated capacitance	1 µF - 1 KHz/25° C
Resistenza	Rated resistance	1 Mohm - 1 KHz/25° C
Potenza resistore	Resistance power	3 W
Categoria tensione	Voltage category	Tensione nom. a 85° C / Nom. voltage at 85° C
Massima ripetitività impulsi tempo in salita	Max repetitive pulse rise time	650 V/µs
Massima non ripetitività impulsi tempo in salita	Max not repetitive pulse rise time	1000 V/µs
Fattore dissipazione condensatore	Capacitor dissipation factor	<5x10 ⁻⁴ a 1 KHz/25° C
Resistenza isolamento tra i terminali dopo 1 minuto di alim. a 1000 V/25° C	Insulation resistance between terminals after 1 minute of energisation at 1000 V/25° C	>30 Gohm

Tipo Type	Codice Code	Tensione nominale Nominal voltage	Corrente di fuga Leakage current
EFTP	65E000230	600 V	<25 mA
EFTP1	65E000231	600 V	<75 mA

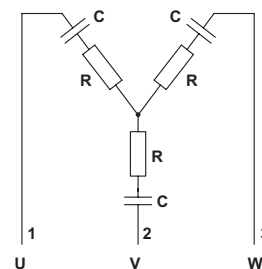
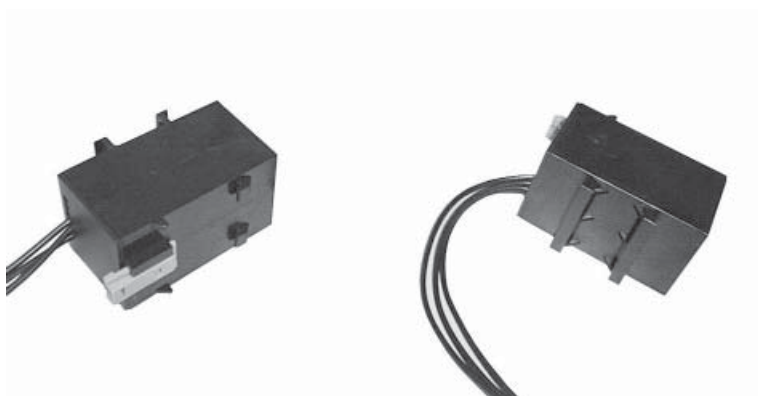


Tipo Type	Dimensioni meccaniche [mm] Mechanical dimensions [mm]									Peso Weight
	L	d	E	I	P	A	C	T	H	
EFTP	59	4,5	10	35	130	112	166	4	146	1,15 Kg
EFTP1	59	4,5	10	35	130	112	166	4	146	1,15 Kg



Il modulo è adatto per il montaggio a scatto su profilo DIN TS32 TS35.

The module is suitable for snap-in mounting on DIN TS32 TS35 channelling.



Dati tecnici

Specifications

Tensione nominale	Nominal voltage	3x400 Vac / 3x500 Vac
Frequenza nominale	Nominal frequency	50/60 Hz
Frequenza di commutazione	Switch frequency	1 Hz
Allacciamento	Connection	Cavo flessibile / Flexible cable
Sezione cavi	Cable section	1,5 mm ²
Lunghezza cavo	Cable lenght	250 mm

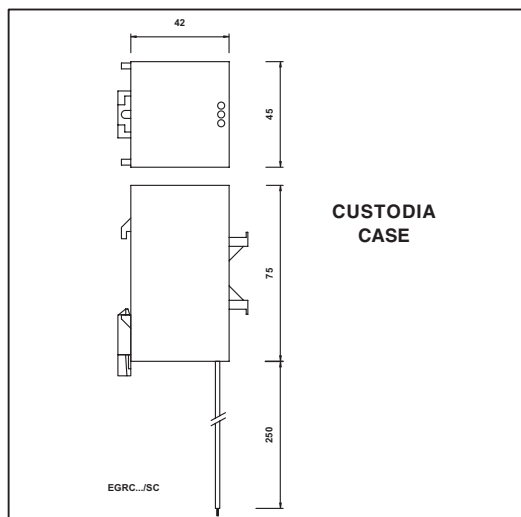
Tipo Type	Codice Code	Tensione nom. Nominal voltage	Potenza Power	R (ohm)	C (µF)
EGRC44S/SC	61E016261	3x400 Vac	4 KVA	220	0,33
EGRC74S/SC	61E016262	3x400 Vac	7,5 KVA	100	0,68
EGRC154S/SC	61E016263	3x400 Vac	15 KVA	47	0,68
EGRC45S/SC	61E016264	3x500 Vac	4 KVA	220	0,22
EGRC75S/SC	61E016265	3x500 Vac	7,5 KVA	100	0,47
EGRC155S/SC	61E016266	3x500 Vac	15 KVA	47	0,68

EGRC.../SC
EGRC.../SC

Il filtro è adatto per il montaggio sotto contattore.
The filter is suitable under contactor mounting.

Accessori Accessories

ESC/Q/XRC **91E025914** Contenitore vuoto (custodia B) / Empty case (case B)



7 - Moduli e sistemi di cablaggio per PLC

7 - Modules and systems for PLC

Connessioni PLC per moduli a 32 ingressi

7/1

PLC - Connections to 32 input modules

Connessioni PLC per moduli a 32 uscite

7/2

PLC - Connections to 32 output modules

Connessioni PLC per moduli a 16 ingressi

7/3

PLC - Connections to 16 input modules

Connessioni PLC per moduli a 16 uscite

7/4

PLC - Connections to 16 output modules

Connessioni PLC per moduli a 8 ingressi

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PLC - Connections to 8 input modules

Connessioni PLC per moduli a 8 uscite

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PLC - Connections to 8 output modules

Connettori e cavi precablati per PLC Allen Bradley

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Connections and precabled assemblies for PLC Allen Bradley

Connettori e cavi precablati per PLC Siemens

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Connections and precabled assemblies for PLC Siemens

Connettori e cavi precablati per PLC GE Fanuc

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Connections and precabled assemblies for PLC GE Fanuc

Connettori e cavi precablati per PLC Mitsubishi

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Connections and precabled assemblies for PLC Mitsubishi

Connettori e cavi precablati per PLC Omron

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Connections and precabled assemblies for PLC Omron

Connettori e cavi precablati per PLC Schneider

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Connections and precabled assemblies for PLC Schneider

Connettori e cavi precablati per PLC Nais-Matsushita

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Connections and precabled assemblies for PLC Nais-Matsushita

Moduli di passaggio

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Connector interface module

Moduli di connessione sensori

7/33

Connection module for sensors

Moduli di connessione attuatori

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Connection module for actuators

Moduli a relè

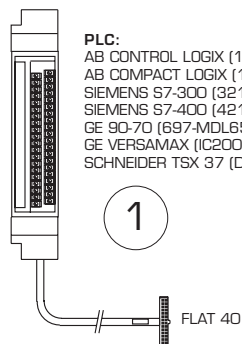
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Relay modules

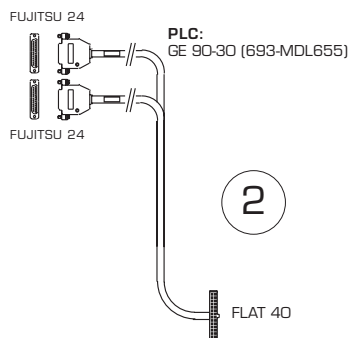
Dati tecnici

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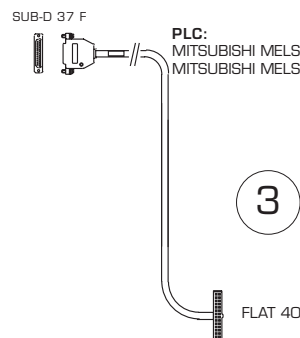
Specifications



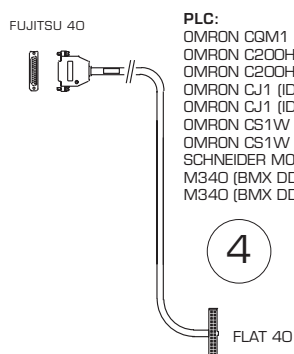
PLC:
 AB CONTROL LOGIX (1756 IB32)
 AB COMPACT LOGIX (1769 IQ32)
 SIEMENS S7-300 (321-1BL00)
 SIEMENS S7-400 (421-1BL00)
 GE 90-70 (697-MDL653)
 GE VERSAMAX (IC200MDL650 CHS003)
 SCHNEIDER TSX 37 (DEZ32D2)



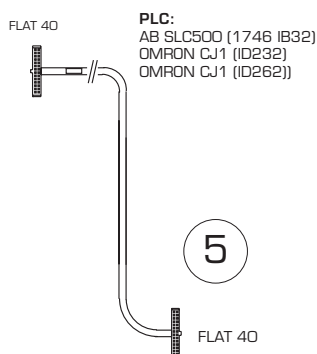
PLC:
 GE 90-30 (693-MDL655)



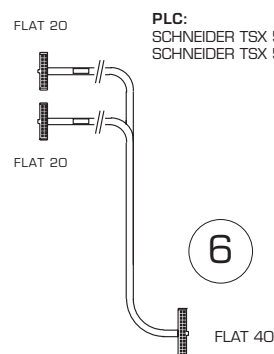
PLC:
 MITSUBISHI MELSEC (A1SX81)
 MITSUBISHI MELSEC SYSTEM Q (QX81)



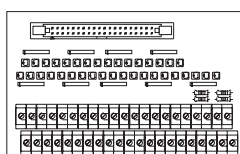
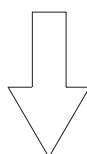
PLC:
 OMRON CQM1 (ID213)
 OMRON C200H (ID216)
 OMRON C200H (ID217)
 OMRON CJ1 (ID231)
 OMRON CJ1 (ID261)
 OMRON CS1W (ID231)
 OMRON CS1W (ID261)
 SCHNEIDER MODICOM
 M340 (BMX DDI64Q2K)
 M340 (BMX DDI32Q2K)



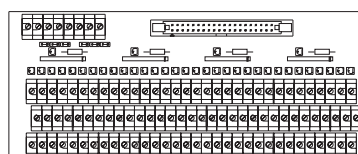
PLC:
 AB SLC500 (1746 IB32)
 OMRON CJ1 (ID232)
 OMRON CJ1 (ID262))



PLC:
 SCHNEIDER TSX 57 (DEY32D2K)
 SCHNEIDER TSX 57 (DEY64D2K)



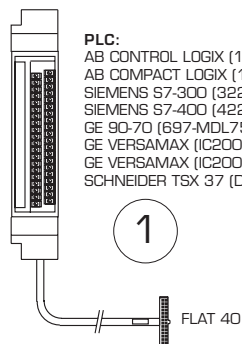
EMF4032IO - 71E036007
 EMF4032IOV - 71E036008
 Pag. 31



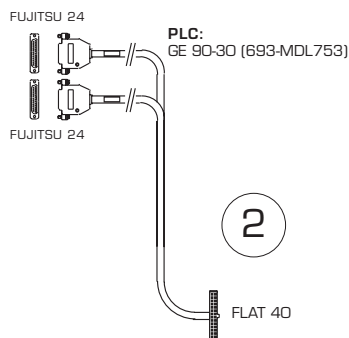
EMF4032P - 71E036020
 EMF4032PV - 71E036021
 Pag. 33

MODULO DI PASSAGGIO 32 INGRESSI
 32 INPUTS CONNECTOR INTERFACE MODULE

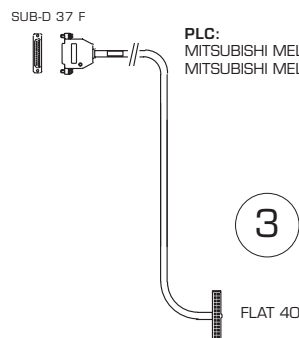
MODULO CONNESSIONE 32 SENSORI
 CONNECTION MODULE FOR 32 SENSOR



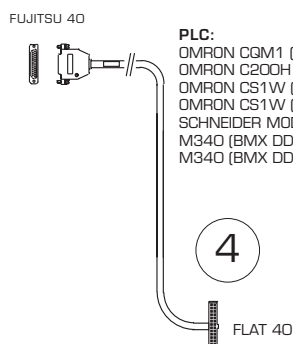
PLC:
 AB CONTROL LOGIX (1756 OB32)
 AB COMPACT LOGIX (1769 OB32)
 SIEMENS S7-300 (322-1BL00)
 SIEMENS S7-400 (422-1BL00)
 GE 90-70 (697-MDL750)
 GE VERSAMAX (IC200MDL742 CHS003)
 GE VERSAMAX (IC200MDL750 CHS003)
 SCHNEIDER TSX 37 (DSZ32T2)



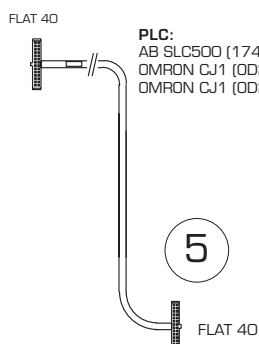
PLC:
 GE 90-30 (693-MDL753)



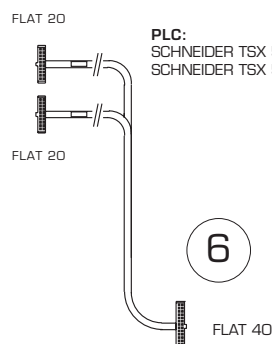
PLC:
 MITSUBISHI MELSEC (A1SY81)
 MITSUBISHI MELSEC SYSTEM Q (QY81)



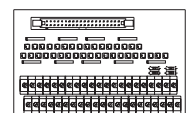
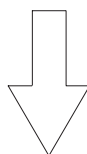
PLC:
 OMRON CQM1 (OD216)
 OMRON C200H (OD21B)
 OMRON CS1W (OD232)
 OMRON CS1W (OD262)
 SCHNEIDER MODICOM
 M340 (BMX DD06402K)
 M340 (BMX DD03202K)



PLC:
 AB SLC500 (1746 OB32)
 OMRON CJ1 (OD232)
 OMRON CJ1 (OD262)

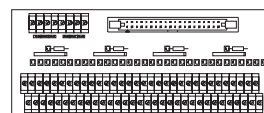


PLC:
 SCHNEIDER TSX 57 (DSY32T2K)
 SCHNEIDER TSX 57 (DSY64T2K)



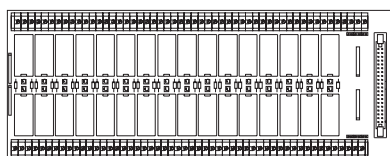
EMF4032IO - 71E036007
 EMF4032IOV - 71E036008
 Pag. 31

MODULO DI PASSAGGIO
 32 USCITE
 32 OUTPUTS CONNECTOR
 INTERFACE MODULE



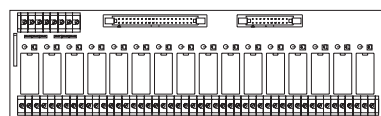
EMF4032E - 71E036022
 EMF4032EV - 71E036023
 Pag. 34

MODULO CONNESSIONE
 32 ATTUATORI
 CONNECTION MODULE FOR
 32 ACTUATORS



EMF4032RZ - 71E036034
 Pag. 35

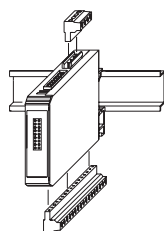
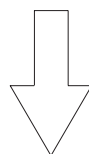
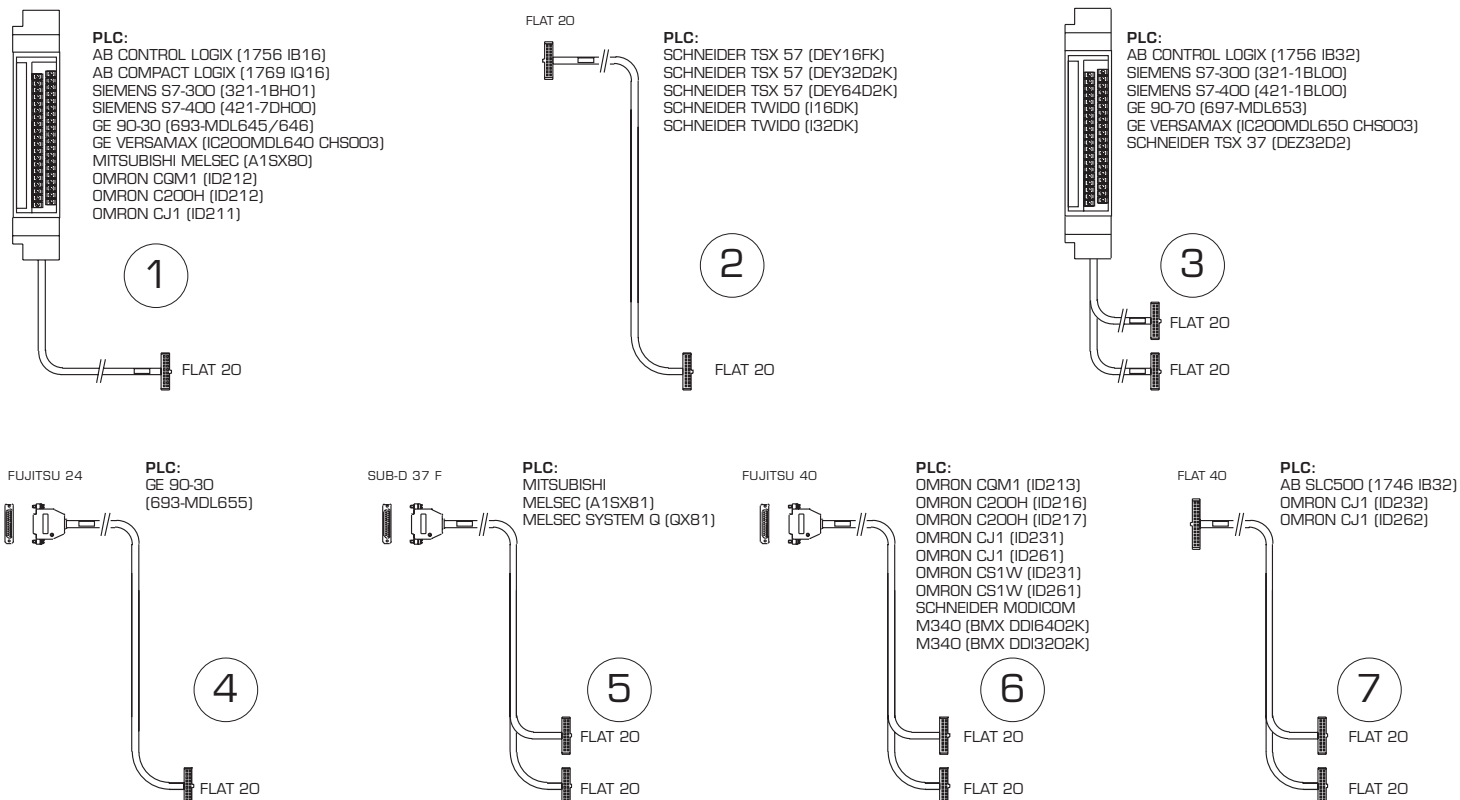
MODULO 32 USCITE A RELE'
 OUTPUT MODULE 32 RELAYS



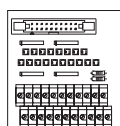
ESPANSIONE / EXPANSION
 Pag. 4

MODULO 16 USCITE A RELE'
 OUTPUT MODULE 16 RELAYS

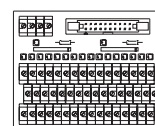
EMF4016RZ - 71E036030
 Pag. 35



EMF2016IO/SC - 71EQ36005
 EMF2016IOV/SC - 71EQ36006
 Pag. 31



EMF2016IO - 71EQ36003
 EMF2016IOV - 71EQ36004
 Pag. 31

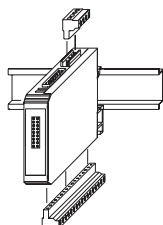
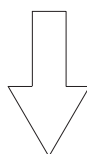
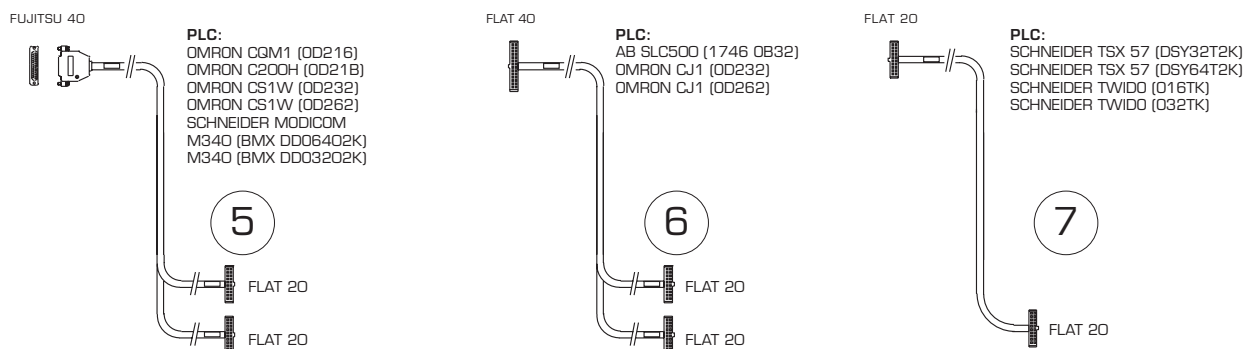
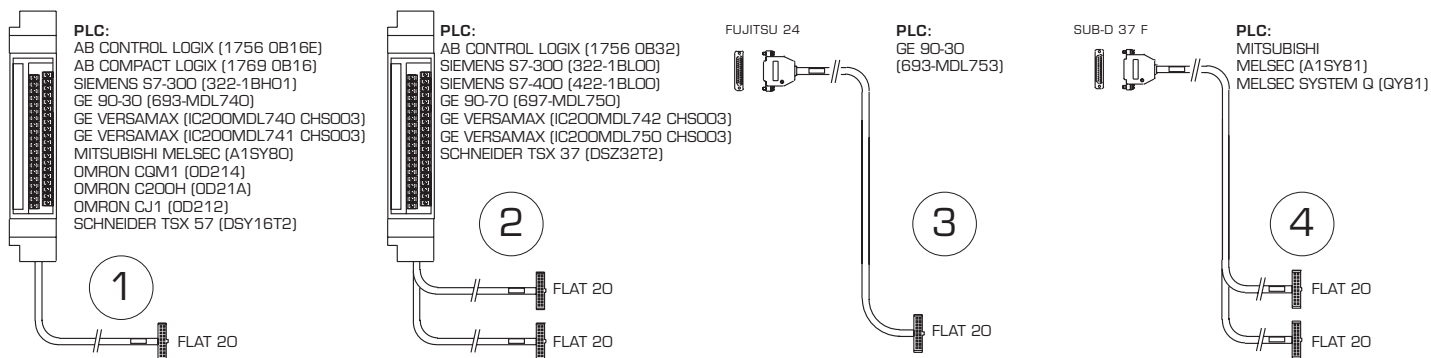


EMCP16/F20 - 71EQ25706
 EMCP16V/F20 - 71EQ25707
 Pag. 33

MODULO DI PASSAGGIO 16 INGRESSI
 16 INPUTS CONNECTOR INTERFACE MODULE

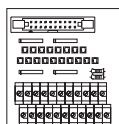
MODULO DI PASSAGGIO 16 INGRESSI
 16 INPUTS CONNECTOR INTERFACE MODULE

MODULO CONNESSIONE 16 SENSORI
 CONNECTION MODULE FOR 16 SENSORS



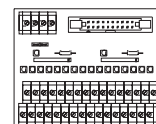
EMF2016IO/SC - 71E036005
EMF2016IOV/SC - 71E036006
Pag. 31

MODULO DI PASSAGGIO 16 USCITE
16 OUTPUTS CONNECTOR INTERFACE MODULE



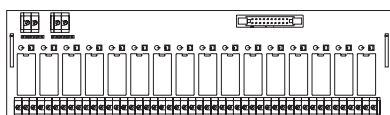
EMF2016IO - 71E036003
EMF2016IOV - 71E036004
Pag. 31

MODULO DI PASSAGGIO 16 USCITE
16 OUTPUTS CONNECTOR INTERFACE MODULE



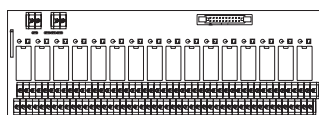
EMCE16/F20 - 71E025721
EMCE16V/F20 - 71E025722
Pag. 34

MODULO CONNESSIONE 16 ATTUATORI
CONNECTION MODULE FOR 16 ACTUATORS



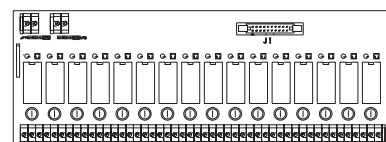
MODULO 16 USCITE A RELE'
OUTPUT MODULE 16 RELAYS

EMESR16Z/M - 71E425656
Pag. 36



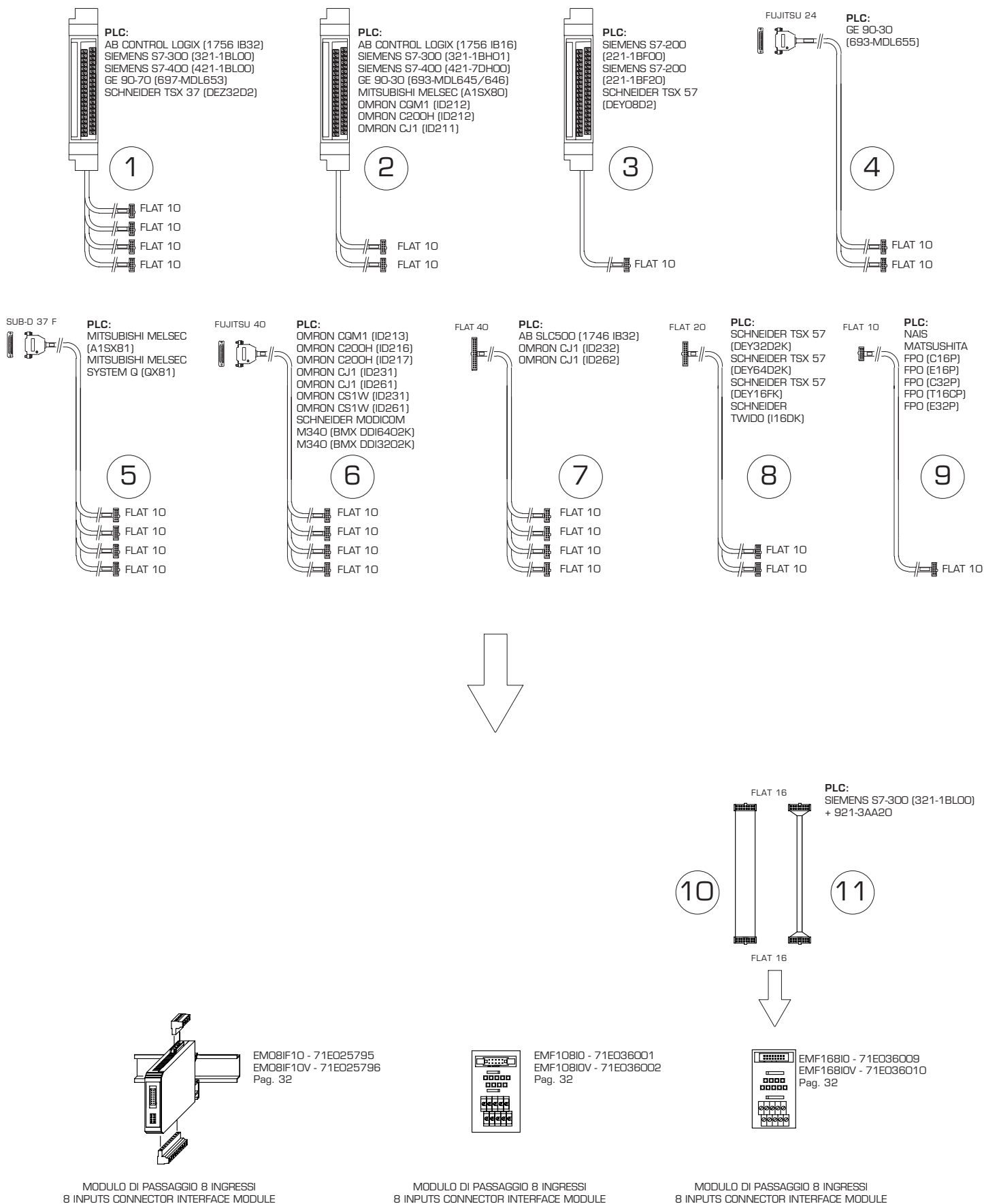
MODULO 16 USCITE A RELE' - 2 SC
OUTPUT MODULE 16 RELAYS
2 CHANGEOVER CONTACTS

EMESR216Z/M - 71E425701
Pag. 36



MODULO 16 USCITE A RELE' CON PROTEZIONE
OUTPUT MODULE 16 RELAYS WITH PROTECTION

EMESR16ZF - 71E436032
Pag. 36



PLC:
AB CONTROL LOGIX (1756 OB32)
SIEMENS S7-300 (322-1BL00)
SIEMENS S7-400 (422-1BL00)
GE 90-70 (697-MDL750)
GE VERSAMAX (IC200MDL742 CHS003)
GE VERSAMAX (IC200MDL750 CHS003)
SCHNEIDER TSX 37 (DSZ32T2K)

1

FLAT 10
FLAT 10
FLAT 10
FLAT 10

PLC:
AB CONTROL LOGIX (1756 OB16E)
SIEMENS S7-300 (322-1BH01)
GE 90-30 (693-MDL740)
GE VERSAMAX (IC200MDL740 CHS003)
GE VERSAMAX (IC200MDL741 CHS003)
MITSUBISHI MELSEC (A1SY80)
OMRON CQM1 (OD214)
OMRON C200H (OD21A)
OMRON CJ1 (OD212)
SCHNEIDER TSX 57 (DSY16T2)

2

FLAT 10
FLAT 10

PLC:
SIEMENS S7-200 (222-1BF00)
SCHNEIDER TSX 57 (DSY08T2)

3

FLAT 10

FUJITSU 24

PLC:
GE 90-30 (693-MDL753)

4

FLAT 10
FLAT 10

SUB-D 37 F

PLC:
MITSUBISHI MELSEC (A1SY81)
MITSUBISHI MELSEC SYSTEM Q (QY81)

5

FLAT 10
FLAT 10
FLAT 10
FLAT 10

PLC:
OMRON CQM1 (OD216)
OMRON C200H (OD21B)
OMRON CS1W (OD232)
OMRON CS1W (OD262)
SCHNEIDER MODICON M340 (BMX DD06402K)
M340 (BMX DD03202K)

6

FLAT 10
FLAT 10
FLAT 10
FLAT 10

PLC:
AB SLC500 (1746 OB32)
OMRON CJ1 (OD232)
OMRON CJ1 (OD262)

7

FLAT 10
FLAT 10
FLAT 10
FLAT 10

PLC:
SCHNEIDER TSX 57 (DSY32T2K)
SCHNEIDER TSX 57 (DSY64T2K)
SCHNEIDER TWIDO (D16TK)

8

FLAT 10
FLAT 10

PLC:
SCHNEIDER TSX 37 (DSZ08T2K)

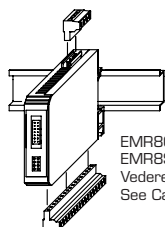
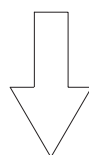
9

FLAT 10

PLC:
NAIS
MATSUSHITA FPO (C16P)
FPO (E16P)
FPO (C32P)
FPO (T16CP)
FPO (E32P)

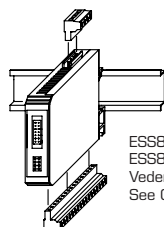
10

FLAT 10



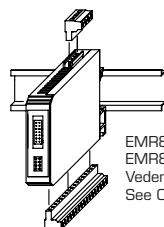
EMR8CF10/24C - 31E018741
EMR8SCF10/24C - 31E018752
Vedere Catalogo 3
See Catalogue 3

MODULO 8 USCITE A RELE'
OUTPUT MODULE 8 RELAYS



ESS820C - 41E016709
ESS820A - 41E016708
Vedere Catalogo 4
See Catalogue 4

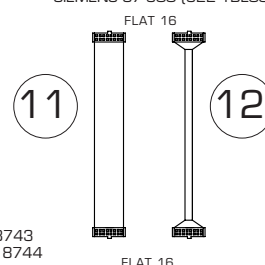
MODULO 8 USCITE A RELE' STATICHE
SOLID-STATE 8 OUTPUT MODULE



EMR8CF10/24C - 31E018743
EMR8SCF10/24C - 31E018744
Vedere Catalogo 3
See Catalogue 3

MODULO 8 USCITE A RELE' CON PROTEZIONE
OUTPUT MODULE 8 RELAYS WITH PROTECTION

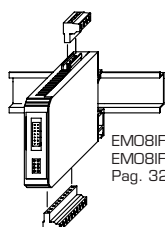
PLC:
SIEMENS S7-300 (322-1BL00) + 921-3AA20



11

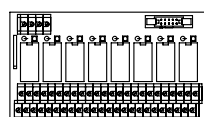
12

FLAT 16



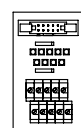
EM08IF10 - 71E025795
EM08IF10V - 71E025796
Pag. 32

MODULO DI PASSAGGIO 8 USCITE
8 OUTPUTS CONNECTOR INTERFACE
MODULE



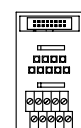
EMF10208RZ
71E036033
Pag. 36

MODULO 8 USCITE A RELE' - 2 SC
OUTPUT MODULE 8 RELAYS - 2 CHANGE-
OVER CONTACTS



EMF108IO - 71E036001
EMF108IOV - 71E036002
Pag. 32

MODULO DI PASSAGGIO 8 USCITE
8 OUTPUTS CONNECTOR INTERFACE
MODULE



EMF168IO - 71E036009
EMF168IOV - 71E036010
Pag. 32

MODULO DI PASSAGGIO 8 USCITE
8 OUTPUTS CONNECTOR INTERFACE
MODULE

SLC 500

Ingressi / Input

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
1746-IB32	32 IN	1	1 - 5	71E026041	EC1746-IB32/F40/...
1746-IB32	32 IN	1	3 - 7	71E026045	EC1746-IB32/2F20/...
1746-IB32	32 IN	1	5 - 7	71E026043	EC1746-IB32/4F10/...

Uscite / Output

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
1746-OB32	32 OUT	1	2 - 5	71E026042	EC1746-OB32/F40/...
1746-OB32	32 OUT	1	4 - 6	71E026046	EC1746-OB32/2F20/...
1746-OB32	32 OUT	1	6 - 7	71E026044	EC1746-OB32/4F10/...

CONTROL LOGIX

Ingressi / Input

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
1756-IB32	32 IN	1	1 - 1	71E026001	EC1756-IB32/F40/...
1756-IB32	32 IN	1	1 - 1	* 71E126001	EC1756-IB32/F40/...
1756-IB32	32 IN	1	3 - 3	71E026003	EC1756-IB32/2F20/...
1756-IB32	32 IN	1	3 - 3	* 71E126003	EC1756-IB32/2F20/...
1756-IB32	32 IN	1	5 - 1	71E025172	EC1756-IB32/4F10/...
1756-IB32	32 IN	1	5 - 1	* 71E125172	EC1756-IB32/4F10/...
1756-IB16	16 IN	1	3 - 1	71E026010	EC1756-IB16/F20/...
1756-IB16	16 IN	1	3 - 1	* 71E126010	EC1756-IB16/F20/...
1756-IB16	16 IN	1	5 - 2	71E026012	EC1756-IB16/2F10/...
1756-IB16	16 IN	1	5 - 2	* 71E126012	EC1756-IB16/2F10/...

Uscite / Output

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
1756-OB32	32 OUT	1	2 - 1	71E026002	EC1756-OB32/F40/...
1756-OB32	32 OUT	1	2 - 1	* 71E126002	EC1756-OB32/F40/...
1756-OB32	32 OUT	1	4 - 2	71E026004	EC1756-OB32/2F20/...
1756-OB32	32 OUT	1	4 - 2	* 71E126004	EC1756-OB32/2F20/...
1756-OB32	32 OUT	1	6 - 1	71E025129	EC1756-OB32/4F10/...
1756-OB32	32 OUT	1	6 - 1	* 71E125129	EC1756-OB32/4F10/...
1756-OB16E	16 OUT	1	4 - 1	71E026011	EC1756-OB16E/F20/...
1756-OB16E	16 OUT	1	4 - 1	* 71E126011	EC1756-OB16E/F20/...
1756-OB16E	16 OUT	1	6 - 2	71E026013	EC1756-OB16E/2F10/...
1756-OB16E	16 OUT	1	6 - 2	* 71E126013	EC1756-OB16E/2F10/...

COMPACT LOGIX

Ingressi / Input

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
1769-IQ32	32 IN	1	1 - 1	* 71E126051	EC1769-IQ32/F40/...
1769-IQ32	32 IN	2	3 - 1	* 71E126060	EC1769-IQ16/F20/...
1769-IQ16	16 IN	1	3 - 1	* 71E126060	EC1769-IQ16/F20/...

Uscite / Output

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
1769-OB32	32 OUT	1	2 - 1	* 71E126052	EC1769-OB32/F40/...
1769-OB32	32 OUT	2	4 - 1	* 71E126061	EC1769-OB16/F20/...
1769-OB16	16 OUT	1	4 - 1	* 71E126061	EC1769-OB16/F20/...

Per altre schede PLC non menzionate si effettuano cablaggi su richiesta.
Nelle ordinazioni dopo la "I..." indicare la lunghezza in metri del cavo.

* La morsettiera deve essere fornita dal cliente.

For the PLC boards not included cables can be made upon request.
At the time of placing your order please indicate the cable length in meters after the designation "I..." in the type column.

* The terminal block must be supplied by the customer.

S7 - 200

Ingressi / Input

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
6ES7-221-1BF00	8 IN	1	5 - 3	71E026100 ECS7-221/F10/...
6ES7-221-1BF20	8 IN	1	5 - 3	71E026101 ECS7-221BF20/F10/...

Uscite / Output

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
6ES7-222-1BF00	8 OUT	1	6 - 3	71E026105 ECS7-222/F10/...

S7 - 300

Ingressi / Input

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
6ES7-321-1BL00	32 IN	1	1 - 1	71E026132 ECS7-321/F40/...
6ES7-321-1BL00	32 IN	1	3 - 3	71E026136 ECS7-321/2F20/...
6ES7-321-1BL00	32 IN	1	5 - 1	71E026130 ECS7-321/4F10/...
6ES7-321-1BH01	16 IN	1	3 - 1	71E025753 ES7IF20/...
6ES7-321-1BL00 + 921-3AA20	32 IN	4	5 - 10	21E014123 ECF16/...
6ES7-321-1BL00 + 921-3AA20	32 IN	4	5 - 11	21E014353 ECF16T/...
6ES7-321-1BH01	16 IN	1	5 - 2	71E026134 ECS7-321-1BH/2F10/...

Uscite / Output

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
6ES7-322-1BL00	32 OUT	1	2 - 1	71E026133 ECS7-322/F40/...
6ES7-322-1BL00	32 OUT	1	4 - 2	71E026137 ECS7-322/2F20/...
6ES7-322-1BL00	32 OUT	1	6 - 1	71E026131 ECS7-322/4F10/...
6ES7-322-1BL00 + 921-3AA20	32 OUT	4	6 - 11	21E014123 ECF16/...
6ES7-322-1BL00 + 921-3AA20	32 OUT	4	6 - 12	21E014353 ECF16T/...
6ES7-322-1BH01	16 OUT	1	4 - 1	71E025699 ES7OF20/...
6ES7-322-1BH01	16 OUT	1	6 - 2	71E026135 ECS7-322-1BH/2F10/...

S7 - 400

Ingressi / Input

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
6ES7-421-1BL00	32 IN	1	1 - 1	71E026152 ECS7-421/F40/...
6ES7-421-1BL00	32 IN	1	3 - 3	71E026156 ECS7-421/2F20/...
6ES7-421-1BL00	32 IN	1	5 - 1	71E026150 ECS7-421/4F10/...
6ES7-421-7DH00	16 IN	1	3 - 1	71E026154 ECS7-421-7DH/F20/...
6ES7-421-7DH00	16 IN	1	5 - 2	71E026155 ECS7-421-7DH/2F10/...

Uscite / Output

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
6ES7-422-1BL00	32 OUT	1	2 - 1	71E026153 ECS7-422/F40/...
6ES7-422-1BL00	32 OUT	1	4 - 2	71E026157 ECS7-422/2F20/...
6ES7-422-1BL00	32 OUT	1	6 - 1	71E026151 ECS7-422/4F10/...

Per altre schede PLC non menzionate si effettuano cablaggi su richiesta.
Nelle ordinazioni dopo la "I..." indicare la lunghezza in metri del cavo.

For the PLC boards not included cables can be made upon request.
At the time of placing your order please indicate the cable length in meters after the designation "I..." in the type column.

90.30

Ingressi / Input

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
IC693-MDL655	32 IN	1	1 - 2	71E026204	EC9030-655/F40/...
IC693-MDL655	32 IN	2	3 - 4	71E026208	EC9030-655/F20/...
IC693-MDL655	32 IN	2	5 - 4	71E026200	EC9030-655/2F10/...
IC693-MDL645 / 646	16 IN	1	3 - 1	* 71E126202	EC9030-645/F20/...
IC693-MDL645 / 646	16 IN	1	5 - 2	* 71E126206	EC9030-645/2F10/...

Uscite / Output

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
IC693-MDL753	32 OUT	1	2 - 2	71E026205	EC9030-753/F40/...
IC693-MDL753	32 OUT	2	4 - 3	71E026209	EC9030-753/F20/...
IC693-MDL753	32 OUT	2	6 - 4	71E026201	EC9030-753/2F10/...
IC693-MDL740	16 OUT	1	4 - 1	* 71E126203	EC9030-740/F20/...
IC693-MDL740	16 OUT	1	6 - 2	* 71E126207	EC9030-740/2F10/...

90.70

Ingressi / Input

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
IC697-MDL653	32 IN	1	1 - 1	* 71E126232	EC9070-653/F40/...
IC697-MDL653	32 IN	1	3 - 3	* 71E126234	EC9070-653/2F20/...
IC697-MDL653	32 IN	1	5 - 1	* 71E126230	EC9070-653/4F10/...

Uscite / Output

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
IC697-MDL750	32 OUT	1	2 - 1	* 71E126233	EC9070-750/F40/...
IC697-MDL750	32 OUT	1	4 - 2	* 71E126235	EC9070-750/2F20/...
IC697-MDL750	32 OUT	1	6 - 1	* 71E126231	EC9070-750/4F40/...

VERSAMAX - CHS003

Ingressi / Input

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
IC200-MDL650	32 IN	1	1 - 1	71E026701	ECVER32I/F40/...
IC200-MDL650	32 IN	1	3 - 3	71E026702	ECVER32I/2F20/...
IC200-MDL640	16 IN	1	3 - 1	71E026700	ECVER16I/F20/...

Uscite / Output

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
IC200-MDL750	32 OUT	1	2 - 1	71E026705	ECVER32O/F40/...
IC200-MDL742	32 OUT	1	2 - 1	71E026705	ECVER32O/F40/...
IC200-MDL750	32 OUT	1	4 - 2	71E026706	ECVER32O/2F20/...
IC200-MDL742	32 OUT	1	4 - 2	71E026706	ECVER32O/2F20/...
IC200-MDL750	32 OUT	1	6 - 1	71E026707	ECVER32O/4F10/...
IC200-MDL742	32 OUT	1	6 - 1	71E026707	ECVER32O/4F10/...
IC200-MDL741	16 OUT	1	4 - 1	71E026703	ECVER16O/F20/...
IC200-MDL740	16 OUT	1	4 - 1	71E026703	ECVER16O/F20/...
IC200-MDL741	16 OUT	1	6 - 2	71E026704	ECVER16O/2F10/...
IC200-MDL740	16 OUT	1	6 - 2	71E026704	ECVER16O/2F10/...

Per altre schede PLC non menzionate si effettuano cablaggi su richiesta.

Nelle ordinazioni dopo la "I..." indicare la lunghezza in metri del cavo.

* La morsettiere deve essere fornita dal cliente.

For the PLC boards not included cables can be made upon request.

At the time of placing your order please indicate the cable length in meters after the designation "I..." in the type column.

* The terminal block must be supplied by the customer.

MELSEC An/S Qn/S

Ingressi / Input

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
A1SX81	32 IN	1	71E026302	ECSX81/F40/...
A1SX81	32 IN	1	71E026308	ECSX81/2F20/...
A1SX81	32 IN	1	71E026300	ECSX81/4F10/...
A1SX80	16 IN	1	* 71E126304	ECSX80/F20/...
A1SX80	16 IN	1	* 71E126306	ECSX80/2F10/...

Uscite / Output

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
A1SY81	32 OUT	1	71E026303	ECSY81/F40/...
A1SY81	32 OUT	1	71E026309	ECSY81/2F20/...
A1SY81	32 OUT	1	71E026301	ECSY81/4F10/...
A1SY80	16 OUT	1	* 71E126305	ECSY80/F20/...
A1SY80	16 OUT	1	* 71E126307	ECSY80/2F10/...

MELSEC SYSTEM Q

Ingressi / Input

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
QX81	32 IN	1	71E026302	ECSX81/F40/...
QX81	32 IN	1	71E026308	ECSX81/2F20/...
QX81	32 IN	1	71E026300	ECSX81/4F10/...

Uscite / Output

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
QY81	32 OUT	1	71E026303	ECSY81/F40/...
QY81	32 OUT	1	71E026309	ECSY81/2F20/...
QY81	32 OUT	1	71E026301	ECSY81/4F10/...

Per altre schede PLC non menzionate si effettuano cablaggi su richiesta.

Nelle ordinazioni dopo la "I..." indicare la lunghezza in metri del cavo.

* La morsetteria deve essere fornita dal cliente.

For the PLC boards not included cables can be made upon request.

At the time of placing your order please indicate the cable length in meters after the designation "I..." in the type column.

* The terminal block must be supplied by the customer.

CQM1

Ingressi / Input

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
CQM1-ID213	32 IN	1	71E026402	ECCQM1-ID213/F40/...
CQM1-ID213	32 IN	1	71E026408	ECCQM1-ID213/2F20/...
CQM1-ID213	32 IN	1	71E026400	ECCQM1-ID213/4F10/...
CQM1-ID212	16 IN	1	* 71E126404	ECCQM1-ID212/F20/...
CQM1-ID212	16 IN	1	* 71E126406	ECCQM1-ID212/2F10/...

Uscite / Output

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
CQM1-OD216	32 OUT	1	71E026403	ECCQM1-OD216/F40/...
CQM1-OD216	32 OUT	1	71E026409	ECCQM1-OD216/2F20/...
CQM1-OD216	32 OUT	1	71E026401	ECCQM1-OD216/4F10/...
CQM1-OD214	16 OUT	1	* 71E126405	ECCQM1-OD214/F20/...
CQM1-OD214	16 OUT	1	* 71E126407	ECCQM1-OD214/2F10/...

C200H

Ingressi / Input

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
C200H-ID217	64 IN	2	71E026402	ECCQM1-ID213/F40/...
C200H-ID217	64 IN	2	71E026408	ECCQM1-ID213/2F20/...
C200H-ID217	64 IN	2	71E026400	ECCQM1-ID213/4F10/...
C200H-ID216	32 IN	1	71E026402	ECCQM1-ID213/F40/...
C200H-ID216	32 IN	1	71E026408	ECCQM1-ID213/2F20/...
C200H-ID216	32 IN	1	71E026400	ECCQM1-ID213/4F10/...
C200H-ID212	16 IN	1	* 71E126420	EC200H-ID212/F20/...
C200H-ID212	16 IN	1	* 71E126424	EC200H-ID212/2F10/...

Uscite / Output

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
C200H-OD21B	32 OUT	1	71E026422	EC200H-OD21B/F40/...
C200H-OD21B	32 OUT	1	71E026426	EC200H-OD21B/2F20/...
C200H-OD21B	32 OUT	1	71E026421	EC200H-OD21B/4F10/...
C200H-OD21A	16 OUT	1	* 71E126423	EC200H-OD21A/F20/...
C200H-OD21A	16 OUT	1	* 71E126425	EC200H-OD21A/2F10/...

Per altre schede PLC non menzionate si effettuano cablaggi su richiesta.

Nelle ordinazioni dopo la "I..." indicare la lunghezza in metri del cavo.

* La morsetteria deve essere fornita dal cliente.

For the PLC boards not included cables can be made upon request.

At the time of placing your order please indicate the cable length in meters after the designation "I..." in the type column.

* The terminal block must be supplied by the customer.

CJ1

Ingressi / Input

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
CJ1-ID262	64 IN	2	1 - 5	71E026451	ECCJ1-ID232/F40/...
CJ1-ID262	64 IN	2	3 - 7	71E026458	ECCJ1-ID232/2F20/...
CJ1-ID262	64 IN	2	5 - 7	71E026450	ECCJ1-ID232/4F10/...
CJ1-ID261	64 IN	2	1 - 4	71E026402	ECCQM1-ID213/F40/...
CJ1-ID261	64 IN	2	3 - 6	71E026408	ECCQM1-ID213/2F20/...
CJ1-ID261	64 IN	2	5 - 6	71E026400	ECCQM1-ID213/4F10/...
CJ1-ID232	32 IN	1	1 - 5	71E026451	ECCJ1-ID232/F40/...
CJ1-ID232	32 IN	1	3 - 7	71E026458	ECCJ1-ID232/2F20/...
CJ1-ID232	32 IN	1	5 - 7	71E026450	ECCJ1-ID232/4F10/...
CJ1-ID231	32 IN	1	1 - 4	71E026402	ECCQM1-ID213/F40/...
CJ1-ID231	32 IN	1	3 - 6	71E026408	ECCQM1-ID213/2F20/...
CJ1-ID231	32 IN	1	5 - 6	71E026400	ECCQM1-ID213/4F10/...
CJ1-ID211	16 IN	1	3 - 1	* 71E126454	ECCJ1-ID211/F20/...
CJ1-ID211	16 IN	1	5 - 2	* 71E126456	ECCJ1-ID211/2F10/...

Uscite / Output

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
CJ1-OD262	64 OUT	2	2 - 5	71E026453	ECCJ1-OD232/F40/...
CJ1-OD262	64 OUT	2	4 - 6	71E026459	ECCJ1-OD232/2F20/...
CJ1-OD262	64 OUT	2	6 - 7	71E026452	ECCJ1-OD232/4F10/...
CJ1-OD232	32 OUT	1	2 - 5	71E026453	ECCJ1-OD232/F40/...
CJ1-OD232	32 OUT	1	4 - 6	71E026459	ECCJ1-OD232/2F20/...
CJ1-OD232	32 OUT	1	6 - 7	71E026452	ECCJ1-OD232/4F10/...
CJ1-OD212	16 OUT	1	4 - 1	* 71E126455	ECCJ1-OD212/F20/...
CJ1-OD212	16 OUT	1	6 - 2	* 71E126457	ECCJ1-OD212/2F10/...

CS1W

Ingressi / Input

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
CS1W-ID261	64 IN	2	1 - 4	71E026402	ECCQM1-ID213/F40/...
CS1W-ID261	64 IN	2	3 - 6	71E026408	ECCQM1-ID213/2F20/...
CS1W-ID261	64 IN	2	5 - 6	71E026400	ECCQM1-ID213/4F10/...
CS1W-ID231	32 IN	1	1 - 4	71E026402	ECCQM1-ID213/F40/...
CS1W-ID231	32 IN	1	3 - 6	71E026408	ECCQM1-ID213/2F20/...
CS1W-ID231	32 IN	1	5 - 6	71E026400	ECCQM1-ID213/4F10/...

Uscite / Output

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
CS1W-OD262	64 OUT	2	2 - 4	71E026422	EC200H-OD21B/F40/...
CS1W-OD262	64 OUT	2	4 - 5	71E026426	EC200H-OD21B/2F20/...
CS1W-OD262	64 OUT	2	6 - 6	71E026421	EC200H-OD21B/4F10/...
CS1W-OD232	32 OUT	1	2 - 4	71E026422	EC200H-OD21B/F40/...
CS1W-OD232	32 OUT	1	4 - 5	71E026426	EC200H-OD21B/2F20/...
CS1W-OD232	32 OUT	1	6 - 6	71E026421	EC200H-OD21B/4F10/...

Per altre schede PLC non menzionate si effettuano cablaggi su richiesta.

Nelle ordinazioni dopo la "I..." indicare la lunghezza in metri del cavo.

* La morsetteria deve essere fornita dal cliente.

For the PLC boards not included cables can be made upon request.

At the time of placing your order please indicate the cable length in meters after the designation "I..." in the type column.

* The terminal block must be supplied by the customer.

TSX 37

Ingressi / Input

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
DEZ 32D2	32 IN	1 - 1	* 71E126501	ECTSX37-DEZ/F40/...
DEZ 32D2	32 IN	3 - 3	* 71E126503	ECTSX37-DEZ/2F20/...
DEZ 32D2	32 IN	5 - 1	* 71E126500	ECTSX37-DEZ/4F10/...
DMZ 64DTK	32 IN / 32 OUT	/	21E014124	ECF20/...

Uscite / Output

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
DSZ 32T2	32 OUT	2 - 1	* 71E126501	ECTSX37-DEZ/F40/...
DSZ 32T2	32 OUT	4 - 2	* 71E126503	ECTSX37-DEZ/2F20/...
DSZ 32T2	32 OUT	6 - 1	* 71E126500	ECTSX37-DEZ/4F10/...
DSZ 08T2K	8 OUT	6 - 9	71E026502	ECTSX37-DSZ/F10/...
DMZ 64DTK	32 IN / 32 OUT	/	21E014124	ECF20/...

TSX 57

Ingressi / Input

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
DEY 64D2K	64 IN	1 - 6	71E026531	ECTSX57-DEY/F40/...
DEY 64D2K	64 IN	3 - 2	71E026537	ECTSX57-DEY32/F20/...
DEY 64D2K	64 IN	5 - 8	71E026530	ECTSX57-DEY/2F10/...
DEY 32D2K	32 IN	1 - 6	71E026531	ECTSX57-DEY/F40/...
DEY 32D2K	32 IN	3 - 2	71E026537	ECTSX57-DEY32/F20/...
DEY 32D2K	32 IN	5 - 8	71E026530	ECTSX57-DEY/2F10/...
DEY 16FK	16 IN	3 - 2	71E026534	ECTSX57-DEY/F20/...
DEY 16FK	16 IN	5 - 8	71E026535	ECTSX57-DEY/2F10/...
DEY 08D2	8 IN	5 - 3	* 71E126533	ECTSX57-DEY/F10/...

Uscite / Output

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
DSY 64T2K	64 OUT	2 - 6	71E026531	ECTSX57-DEY/F40/...
DSY 64T2K	64 OUT	4 - 7	71E026537	ECTSX57-DEY32/F20/...
DSY 64T2K	64 OUT	6 - 8	71E026530	ECTSX57-DEY/2F10/...
DSY 32T2K	32 OUT	2 - 6	71E026531	ECTSX57-DEY/F40/...
DSY 32T2K	32 OUT	4 - 7	71E026537	ECTSX57-DEY32/F20/...
DSY 32T2K	32 OUT	6 - 8	71E026530	ECTSX57-DEY/2F10/...
DSY 16T2	16 OUT	4 - 1	* 71E126532	ECTSX57-DSY/F20/...
DSY 16T2	16 OUT	6 - 2	* 71E126536	ECTSX57-DSY/2F10/...
DSY 08T2	8 OUT	6 - 3	* 71E126533	ECTSX57-DEY/F10/...

TWIDO

Ingressi / Input

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
TWDDDI16DK	16 IN	3 - 2	71E026550	ECTWDI/F20/...
TWDDDI16DK	16 IN	5 - 8	71E026552	ECTWDI/2F10/...
TWDDDI32DK	32 IN	3 - 2	71E026550	ECTWDI/F20/...

Uscite / Output

Cod. scheda PLC PLC board code	Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
TWDDDO16TK	16 OUT	4 - 7	71E026551	ECTWDO/F20/...
TWDDDO16TK	16 OUT	6 - 8	71E026553	ECTWDO/2F10/...
TWDDDO32TK	32 OUT	4 - 7	71E026551	ECTWDO/F20/...

Per altre schede PLC non menzionate si effettuano cablaggi su richiesta.

Nelle ordinazioni dopo la "I..." indicare la lunghezza in metri del cavo.

* La morsetteria deve essere fornita dal cliente.

For the PLC boards not included cables can be made upon request.

At the time of placing your order please indicate the cable length in meters after the designation "I..." in the type column.

* The terminal block must be supplied by the customer.

MODICOM M340

Ingressi / Input

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
BMX DDI6402K	64 IN	2	1 - 4	71E036044	ECM340-DDI/F40/...
BMX DDI6402K	64 IN	2	3 - 6	71E036042	ECM340-DDI/2F20/...
BMX DDI6402K	64 IN	2	5 - 6	71E036040	ECM340-DDI/4F10/...
BMX DDI3202K	32 IN	1	1 - 4	71E036044	ECM340-DDI/F40/...
BMX DDI3202K	32 IN	1	3 - 6	71E036042	ECM340-DDI/2F20/...
BMX DDI3202K	32 IN	1	5 - 6	71E036040	ECM340-DDI/4F10/...

Uscite / Output

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
BMX DDO6402K	64 OUT	2	2 - 4	71E036045	ECM340-DDO/F40/...
BMX DDO6402K	64 OUT	2	4 - 5	71E036043	ECM340-DDO/2F20/...
BMX DDO6402K	64 OUT	2	6 - 6	71E036041	ECM340-DDO/4F10/...
BMX DDO3202K	32 OUT	1	2 - 4	71E036045	ECM340-DDO/F40/...
BMX DDO3202K	32 OUT	1	4 - 5	71E036043	ECM340-DDO/2F20/...
BMX DDO3202K	32 OUT	1	6 - 6	71E036041	ECM340-DDO/4F10/...

FPO

Ingressi / Input

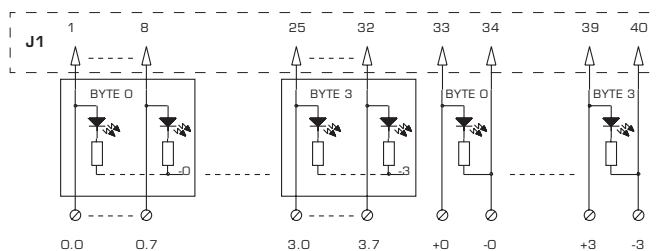
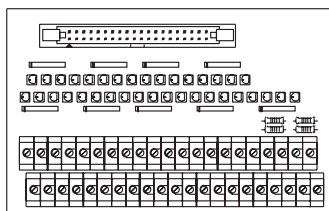
Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
FP0-C16P	8 IN	1	5 - 9	71E026600	ECF10E/FP0I/...
FP0-E16P	8 IN	1	5 - 9	71E026600	ECF10E/FP0I/...
FP0-C32P	16 IN	2	5 - 9	71E026600	ECF10E/FP0I/...
FP0-T32CP	16 IN	2	5 - 9	71E026600	ECF10E/FP0I/...
FP0-E32P	16 IN	2	5 - 9	71E026600	ECF10E/FP0I/...

Uscite / Output

Cod. scheda PLC PLC board code		Q.tà cavo Cable q.ty	Rif. pag. - figura Ref. page - drawing	Cod. cavo Cable code	Tipo Type
FP0-C16P	8 OUT	1	6 - 10	71E026601	ECF10E/FP0O/...
FP0-E16P	8 OUT	1	6 - 10	71E026601	ECF10E/FP0O/...
FP0-C32P	16 OUT	2	6 - 10	71E026601	ECF10E/FP0O/...
FP0-T32CP	16 OUT	2	6 - 10	71E026601	ECF10E/FP0O/...
FP0-E32P	16 OUT	2	6 - 10	71E026601	ECF10E/FP0O/...

32 Ingressi - Uscite

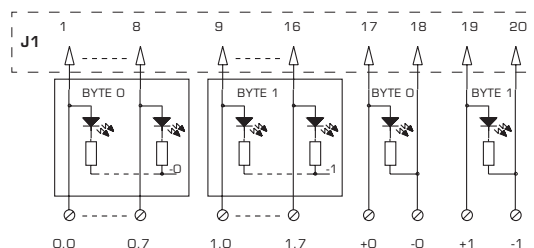
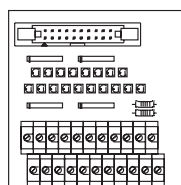
32 Inputs - Outputs



Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector
EMF4032IO	71E036007	118 x 82	-	V (M)	F40
EMF4032IOV	71E036008	118 x 82	Led gialli / Yellow led	V (M)	F40

16 Ingressi - Uscite

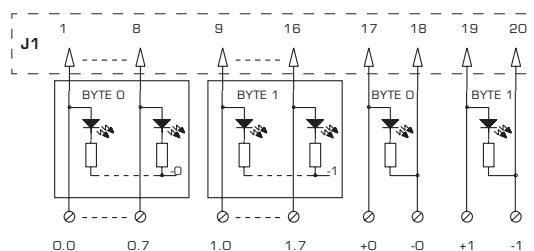
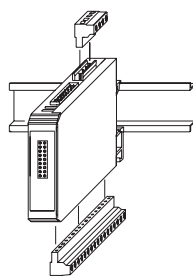
16 Inputs - Outputs



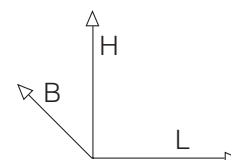
Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector
EMF2016IO	71E036003	68 x 82	-	V (M)	F20
EMF2016IOV	71E036004	68 x 82	Led gialli / Yellow led	V (M)	F20

16 Ingressi - Uscite

16 Inputs - Outputs

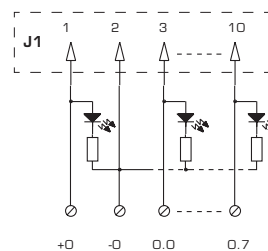
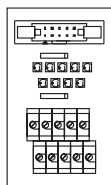


Tipo Type	Codice Code	Dim. [mm] L x B x H	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector
EMF2016IO/SC	71E036005	22,5 x 120 x 112	-	E (EM)	F20
EMF2016IOV/SC	71E036006	22,5 x 120 x 112	Led gialli / Yellow led	E (EM)	F20



8 Ingressi - Uscite

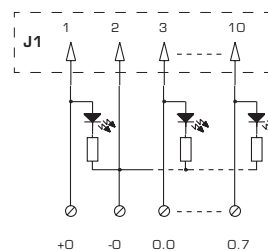
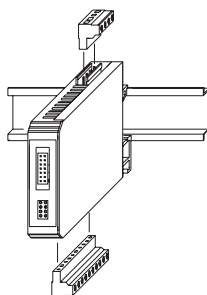
8 Inputs - Outputs



Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector
EMF108IO	71E036001	45 x 82	-	V (M)	F10
EMF108IOV	71E036002	45 x 82	Led gialli / Yellow led	V (M)	F10

8 Ingressi - Uscite

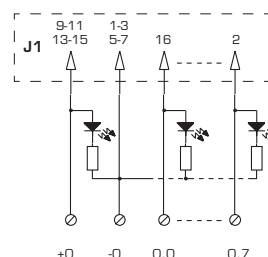
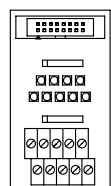
8 Inputs - Outputs



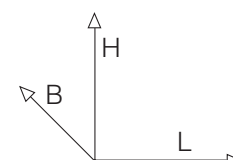
Tipo Type	Codice Code	Dim. [mm] L x B x H	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector
EM08IF10	71E025795	22,5 x 120 x 112	-	E (EM)	F10
EM08IF10V	71E025796	22,5 x 120 x 112	Led gialli / Yellow led	E (EM)	F10

8 Ingressi - Uscite

8 Inputs - Outputs

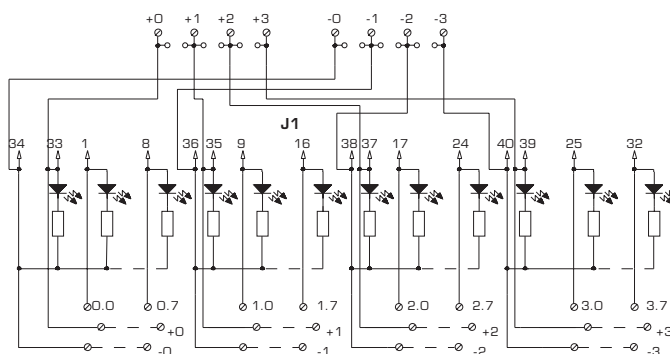
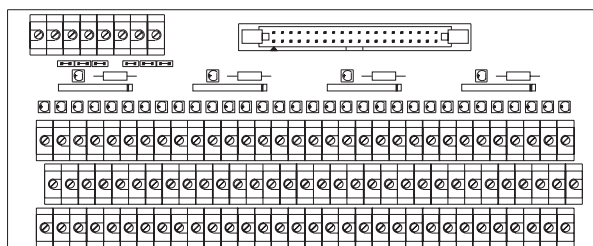


Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector
EMF168IO	71E036009	35 x 82	-	V (M)	F16
EMF168IOV	71E036010	35 x 82	Led gialli / Yellow led	V (M)	F16



32 Sensori

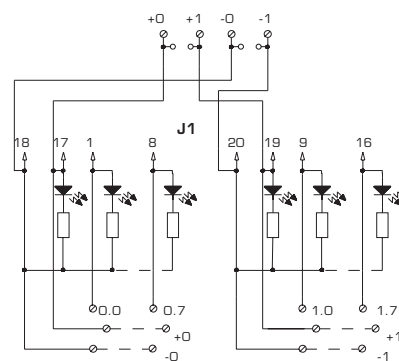
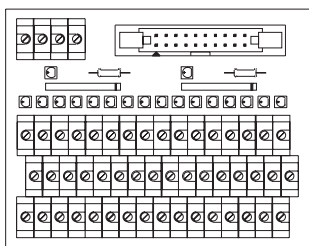
32 Sensors



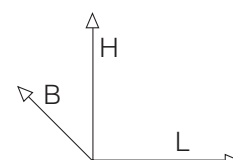
Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector
EMF4032P	71E036020	178 x 82	-	V (M)	F40
EMF4032PV	71E036021	178 x 82	Led gialli / Yellow led	V (M)	F40

16 Sensori

16 Sensors

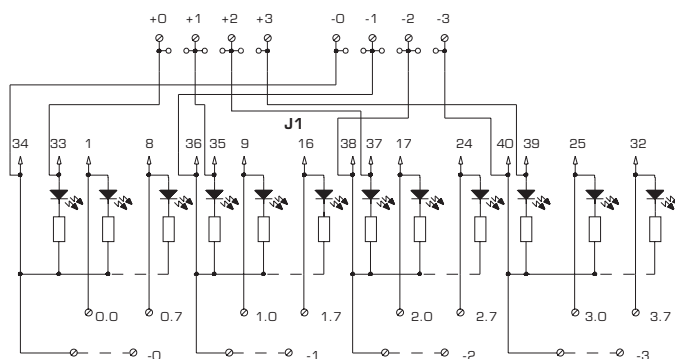
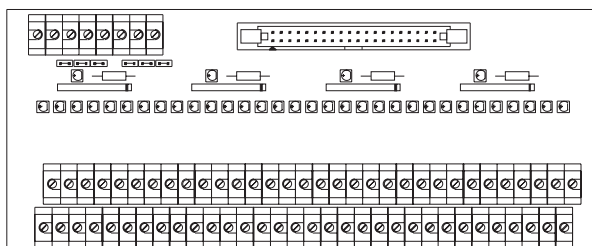


Tipo Type	Codice Code	Dim. [mm] L x B x H	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector
EMCP16/F20	71E025706	93 x 82	-	V (M)	F20
EMCP16V/F20	71E025707	93 x 82	Led gialli / Yellow led	V (M)	F20



32 Attuatori

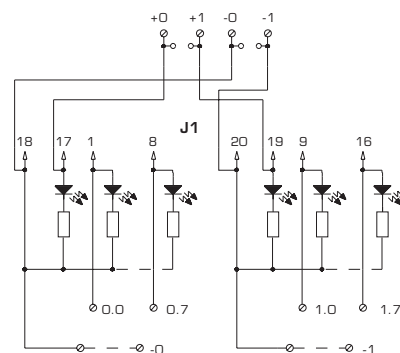
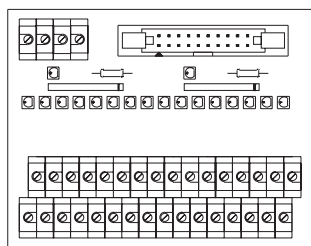
32 Actuators



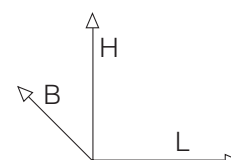
Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector
EMF4032E	71E036022	178 x 82	-	V (M)	F40
EMF4032EV	71E036023	178 x 82	Led gialli / Yellow led	V (M)	F40

16 Attuatori

16 Actuators

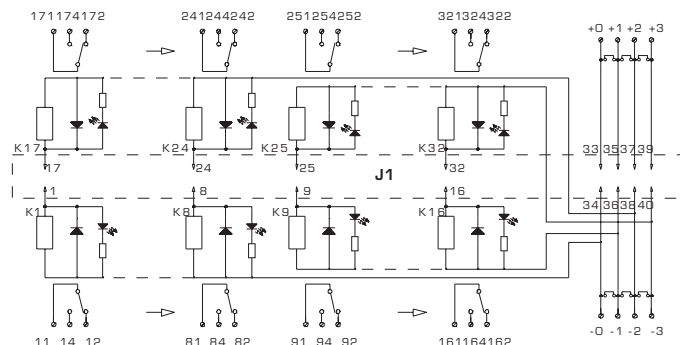
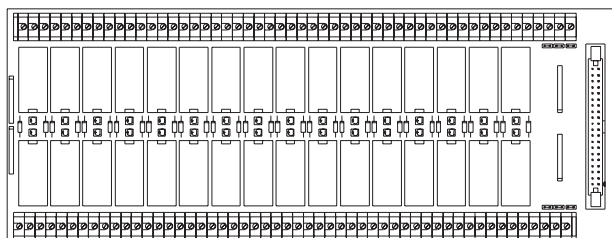


Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector
EMCE16/F20	71E025721	93 x 82	-	V (M)	F20
EMCE16V/F20	71E025722	93 x 82	Led gialli / Yellow led	V (M)	F20



32 Relè 1 SC 12 A

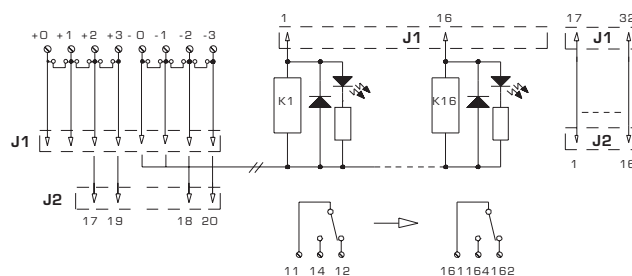
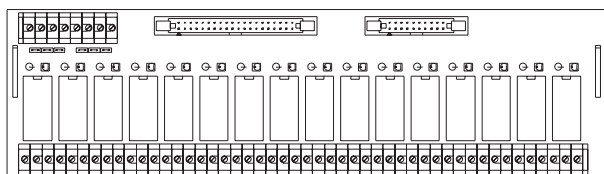
32 Relays 1 CO 12 A



Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector	Relè Relays
EMF4032RZ	71E036034	284 x 118	Led gialli / Yellow led	V (M)	F40	A

16 Relè 1 SC 12 A

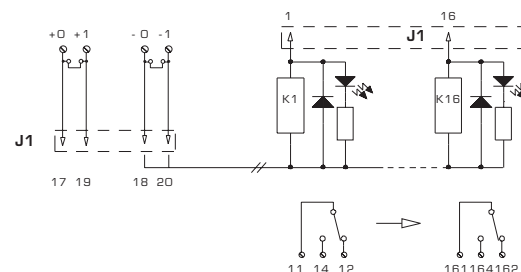
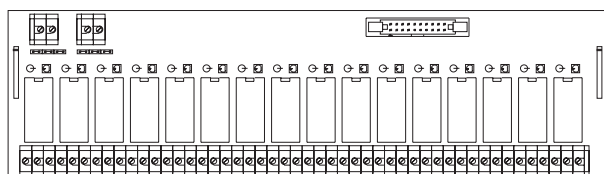
16 Relays 1 CO 12 A



Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector	Relè Relays
EMF4016RZ	71E036030	255 x 82	Led gialli / Yellow led	V (M)	F40 (J1) - F20 (J2)	A

16 Relè 1 SC 12 A

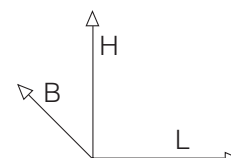
16 Relays 1 CO 12 A



Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector	Relè Relays
EMESR16Z/M	71E425656	255 x 82	Led gialli / Yellow led	V (M)	F20	A

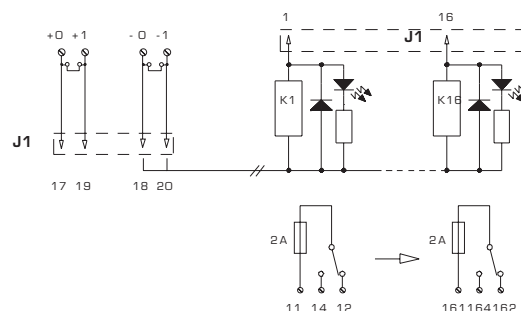
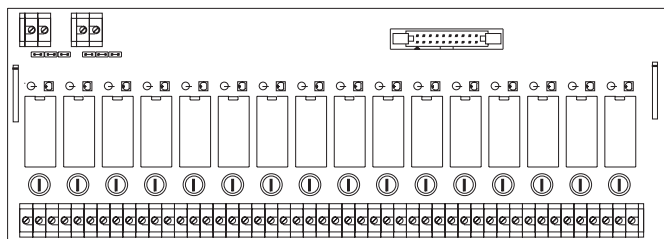
Per caratteristiche tecniche vedere a pag. 51 - 52

For technical data see page 51 - 52



16 Relè 1 SC 12 A

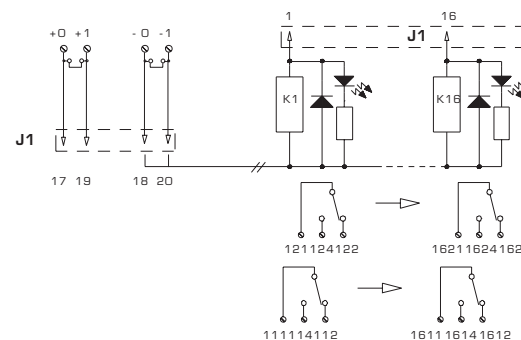
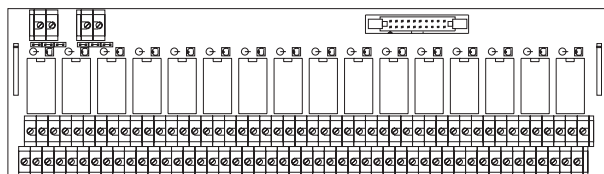
16 Relays 1 CO 12 A



Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector	Relè Relays
EMESR16ZF	71E436032	258 x 118	Led gialli / Yellow led	V (M)	F20	A

16 Relè 2 SC 8 A

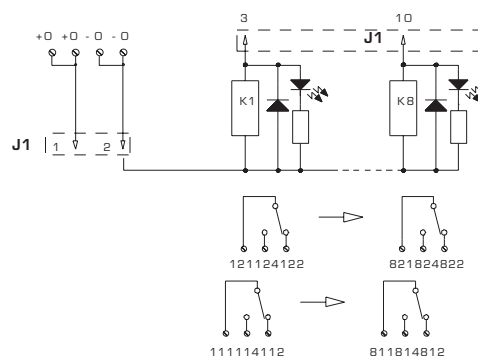
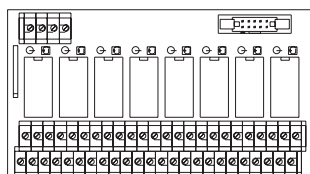
16 Relays 2 CO 8 A



Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector	Relè Relays
EMESR216Z/M	71E425701	258 x 118	Led gialli / Yellow led	V (M)	F20	B

8 Relè 2 SC 8 A

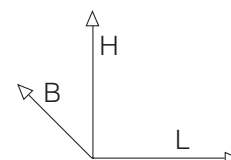
8 Relays 2 CO 8 A



Tipo Type	Codice Code	Dim. [mm] L x B	Visualizzazione Display	Morsetti Terminal blocks	Connettore Connector	Relè Relays
EMF10208RZ	71E036033	135 x 82	Led gialli / Yellow led	V (M)	F10	B

Per caratteristiche tecniche vedere a pag. 51 - 52

For technical data see page 51 - 52



Moduli di passaggio**Connectors interface module**

Tensione nominale	Nominal voltage	24 Vdc $\pm$ 10%
Corrente max.(per canale)	Max. current (for channel)	1 A
Assorbimento (per canale)	Absorption (for channel)	5 mA (solo con visualizzazione / only with display)
Isolamento	Insulation	500 Vac (solo vers. senza visualizzazione / only without display)

Moduli a relè**Relays module**

Tensione nominale	Nominal voltage	24 Vdc $\pm$ 10%
Corrente max.(per canale)	Max. current (for channel)	vedere tabella relè / see relays table
Assorbimento (per canale)	Absorption (for channel)	20 mA
Isolamento	Insulation	vedere tabella relè / see relays table

Dati tecnici generali**General specifications**

Temperatura di funzionamento	Operating temperature	-25...+50° C
Montaggio	Mounting	a scatto su profilo / Snap-in mounting on DIN TS32 TS35

Morsetti**Terminal blocks**

Tipo Type	Descrizione Description	Sezione cavi flessibili Fine-wired section
V	Morsetto a vite / Screw terminal blocks	max. 1,5 mm ² (14 AWG)
M	Morsetto a molla / Screwless terminal blocks	max. 2,5 mm ² (12 AWG)
E	Morsetto estraibile / Pluggable terminal blocks	max. 2,5 mm ² (12 AWG)
EM	Morsetto a molla estraibile / Pluggable screwless terminal blocks	max. 2,5 mm ² (12 AWG)

Per ordinare il tipo di morsetto indicato tra le parentesi nel codice sostituire il **71E**... con **72E**...

To order the type of terminal blocks pointed out between parantheses, replace the code **71E**... with **72E**...

Connettori**Connectors**

Tipo Type	Descrizione Description	N. vie connettore flat I.D.C. connector n. of ways
F10	Connettore flat DIN 41651 / I.D.C. DIN 41651 connector	10
F16	Connettore flat DIN 41651 / I.D.C. DIN 41651 connector	16
F20	Connettore flat DIN 41651 / I.D.C. DIN 41651 connector	20
F40	Connettore flat DIN 41651 / I.D.C. DIN 41651 connector	40

**Piedinatura F10
F10 Connection**

Segnale / Signal	Pin
IN / OUT 0.0	3
IN / OUT 0.1	4
IN / OUT 0.2	5
IN / OUT 0.3	6
IN / OUT 0.4	7
IN / OUT 0.5	8
IN / OUT 0.6	9
IN / OUT 0.7	10
+24V	1
0V	2

**Piedinatura F16
F16 Connection**

Segnale / Signal	Pin
IN / OUT 0.0	16
IN / OUT 0.1	14
IN / OUT 0.2	12
IN / OUT 0.3	10
IN / OUT 0.4	8
IN / OUT 0.5	6
IN / OUT 0.6	4
IN / OUT 0.7	2
+24V	9,11,13,15
0V	1,3,5,7

**Piedinatura F20
F20 Connection**

Segnale / Signal	Pin
IN / OUT 0.0	1
IN / OUT 0.1	2
IN / OUT 0.2	3
IN / OUT 0.3	4
IN / OUT 0.4	5
IN / OUT 0.5	6
IN / OUT 0.6	7
IN / OUT 0.7	8
+0	17
-0	18

Segnale / Signal	Pin
IN / OUT 1.0	9
IN / OUT 1.1	10
IN / OUT 1.2	11
IN / OUT 1.3	12
IN / OUT 1.4	13
IN / OUT 1.5	14
IN / OUT 1.6	15
IN / OUT 1.7	16
+1	19
-1	20

**Piedinatura F40
F40 Connection**

Segnale / Signal	Pin
IN / OUT 0.0	1
IN / OUT 0.1	2
IN / OUT 0.2	3
IN / OUT 0.3	4
IN / OUT 0.4	5
IN / OUT 0.5	6
IN / OUT 0.6	7
IN / OUT 0.7	8
+0	33
-0	34

Segnale / Signal	Pin
IN / OUT 1.0	9
IN / OUT 1.1	10
IN / OUT 1.2	11
IN / OUT 1.3	12
IN / OUT 1.4	13
IN / OUT 1.5	14
IN / OUT 1.6	15
IN / OUT 1.7	16
+1	35
-1	36

Segnale / Signal	Pin
IN / OUT 2.0	17
IN / OUT 2.1	18
IN / OUT 2.2	19
IN / OUT 2.3	20
IN / OUT 2.4	21
IN / OUT 2.5	22
IN / OUT 2.6	23
IN / OUT 2.7	24
+2	37
-2	38

Segnale / Signal	Pin
IN / OUT 3.0	25
IN / OUT 3.1	26
IN / OUT 3.2	27
IN / OUT 3.3	28
IN / OUT 3.4	29
IN / OUT 3.5	30
IN / OUT 3.6	31
IN / OUT 3.7	32
+3	39
-3	40

Relè	Relays		
Tipo	Type	A	B
Descrizione	Description	Mecc. 1 SC / Mechanical 1 CO	Mecc. 2 SC / Mechanical 2 CO
Tensione di ingresso	Input voltage	24 Vdc	24 Vdc
Tensione max contatto	Max switching voltage	440 Vac 300 Vdc	440 Vac 300 Vdc
Corrente nominale	Nominal current	12 A	8 A
Carico max COS $\varphi=1$	Max load COS $\varphi=1$	12 A 250 Vac, 12 A 24 Vdc	8 A 250 Vac, 8 A 24 Vdc
Carico max COS $\varphi=0,4$	Max load COS $\varphi=0,4$	5 A 250 Vac, 5 A 24 Vdc	3 A 250 Vac, 3 A 24 Vdc
Carico min	Min load	100 mA / 5 Vdc	10 mA / 5 Vdc
Δt on	Δt on	7 mSec.	7 mSec.
Δt off	Δt off	2 mSec. (dc)	5 mSec.
Isolamento cont. bobina	Contact-coil insulation	5 KVac	5 KVac
Isolamento tra contatti	Insulation between contacts	1 KVac	1 KVac
Vita meccanica	Mechanical life	20x10 ⁶ cicli / cycles	20x10 ⁶ cicli / cycles













VALIDITÀ

Questo catalogo annulla e sostituisce qualsiasi altro precedente e la Società si riserva il diritto di sostituire, eliminare o variare i prodotti nelle loro funzioni, dimensioni, o caratteristiche senza alcun preavviso.

Le foto ed i disegni topografici sono puramente indicativi.

GARANZIA

1 anno dalla data di consegna, salvo corretto utilizzo del prodotto nel rispetto delle caratteristiche dei componenti utilizzati.

PRODOTTI NON A CATALOGO

Si realizzano prodotti dedicati su richiesta del cliente per tensioni differenti da quelle riportate sul presente catalogo, interpellare la sede per quotazioni e tempi di consegna.

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I resi dovranno essere autorizzati e la relativa spedizione va concordata con la sede.

Se non autorizzati e concordati, saranno respinti.

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Non si ammettono reclami dopo 8 giorni dal ricevimento della merce.

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This catalogue cancels and replaces any other previous one and the company reserves itself the right to replace, cancel or change functions, dimensions or characteristics of products, without notice.

The photos and the topographic drawings are purely indicative

GUARANTEE

One year from delivery date, provided correct use of products in respect of component characteristics.

PRODUCTS NOT ON CATALOGUE

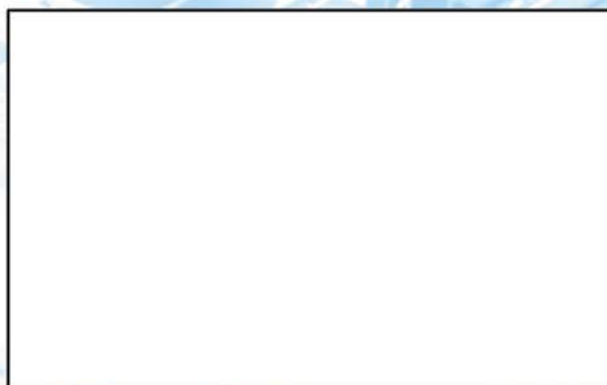
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Returns should be authorized and the relative delivery must be agreed upon with the company. If not authorized, returns will be rejected.

CLAIMS

Claims will be not accepted after 8 days from receipt of goods.



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