

# 07

# ROTEC



# INTRODUZIONE/*Introduction*

La linea ROTEC include una vasta gamma di interruttori e commutatori a camme, utilizzabili per le operazioni di interruzione e commutazione tra circuiti elettrici in una determinata sequenza. Le parti attive dei nostri commutatori a camme sono realizzate in lega d'argento, mentre le parti plastiche utilizzate sono ad elevata resistenza meccanica e conformi alle normative vigenti di resistenza alla fiamma. I prodotti spaziano da 12A a 315A (AC-21A) e assicurano un gran numero di posizioni e angoli di manovra. La gamma di sezionatori modulari della serie SZ e della serie SILAMAT consente l'interruzione e il sezionamento sotto carico di macchine e linee di bassa tensione con correnti nominali da 16A a 1250A.

Proponiamo, inoltre, un vasto assortimento di ausiliari di comando, costituito da varie unità di comando e segnalazione, adatti per il comando e il controllo di circuiti elettrici a bassa tensione. Si distinguono pulsanti, segnali e selettori luminosi, selettori a chiave o a manopola, pulsantiere e tanti altri accessori. Presentiamo anche una ampia scelta di pulsantiere e sistemi completi per il settore lift e sollevamento, in conformità alle norme vigenti. Tutte le pulsantiere sono equipaggiate con la nuova linea di ausiliari di comando monoblocco e modulari con aggancio ad innesto.

Il nostro punto di forza è la progettazione, lo sviluppo e la produzione di apparecchiature customizzate, realizzate secondo specifiche richieste dei clienti. Il nostro ufficio tecnico è a disposizione per lo sviluppo di qualunque tipo di progetto.

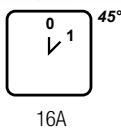
*The ROTEC line includes a wide range of changeover and cam switches, which can be used for interrupting and switching operations between electrical circuits in a given sequence. The active parts of our cam switches are made of silver alloy, while the plastic parts used are of high mechanical resistance and comply with current flame resistance regulations. The products range from 12A to 315A (AC-21A) and ensure a large number of positions and maneuver angles. The range of modular disconnectors of the SZ series and the SILAMAT series allows the interruption and isolation under load of machines and low voltage lines with nominal currents from 16A to 1250A.*

*We also offer a vast assortment of control auxiliaries, consisting of various command and signaling units, suitable for the command and control of low voltage electrical circuits. There are pushbuttons, signals and light selectors, key or knob selectors, pushbutton panels and many other accessories. We also present a wide choice of pushbutton panels and complete systems for the lift sector, in compliance with current regulations. All pushbutton panels are equipped with the new line of monobloc and modular control auxiliaries with plug-in coupling.*

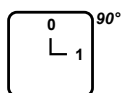
*Our strength is the design, development and production of customized equipment, created according to specific customer requests. Our technical office is available for the development of any type of project.*

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16A



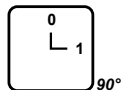
25...315A

### INTERRUTTORI DA RETROQUADRO - IP40 - MANOPOLA STANDARD

FRONT MOUNTING SWITCHES - IP40 - STANDARD KNOB

codice IW - IW code

1 polo / 1 elemento	2 poles / 2 elements	3 poles / 3 elements	4 poles / 4 elements	I <sub>n</sub> (A)	dimensioni (mm)	conf.
1 pole / 1 element	2 poles / 2 elements	3 poles / 3 elements	4 poles / 4 elements	I <sub>n</sub> (A)	dimensions (mm)	pack.
CS16-01R-48S	CS16-02R-48S	CS16-03R-48S	CS16-04R-48S	16A	48 x 48	1
CS20-01R-54S	CS20-02R-54S	CS20-03R-54S	CS20-04R-54S	25A	54 x 54	1
CS20-01R-72S	CS20-02R-72S	CS20-03R-72S	CS20-04R-72S	25A	72 x 72	1
CS25-01R-72S	CS25-02R-72S	CS25-03R-72S	CS25-04R-72S	25A	72 x 72	1
CS32-01R-72S	CS32-02R-72S	CS32-03R-72S	CS32-04R-72S	32A	72 x 72	1
CS50-01R-105S	CS50-02R-105S	CS50-03R-105S	CS50-04R-105S	50A	105 x 105	1
-	CS80-02R-105S	CS80-03R-105S	CS80-04R-105S	75A	105 x 105	1
-	CS125-02R-130S	CS125-03R-130S	CS125-04R-130S	120A	130 x 130	1
-	-	CS250-03R-130S	CS250-04R-130S	200A	130 x 130	1
-	-	CS400-03R-130S	CS400-04R-130S	250A	130 x 130	1
-	-	CS630-03R-130S	CS630-04R-130S	315A	130 x 130	1

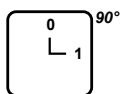


### INTERRUTTORI DA RETROQUADRO - IP54 - MANOPOLA LUCCHETTABILE

FRONT MOUNTING SWITCHES - IP54 - INTERLOCKED KNOB

codice IW - IW code

3 poli / 2 elementi	4 poli / 2 elementi	3 poli / 2 elementi	4 poli / 2 elementi	I <sub>n</sub> (A)	dimensioni (mm)	conf.
3 poles / 2 elements	4 poles / 2 elements	3 poles / 2 elements	4 poles / 2 elements	I <sub>n</sub> (A)	dimensions (mm)	pack.
grigio / nero grey / black	grigio / nero grey / black	giallo / rosso yellow / red	giallo / rosso yellow / red			
CS20-03R-72NL	CS20-04R-72NL	CS20-03R-72RL	CS20-04R-72RL	25A	72 x 72	1
CS25-03R-72NL	CS25-04R-72NL	CS25-03R-72RL	CS25-04R-72RL	25A	72 x 72	1
CS32-03R-72NL	CS32-04R-72NL	CS32-03R-72RL	CS32-04R-72RL	32A	72 x 72	1
CS50-03R-105NL	CS50-04R-105NL	CS50-03R-105RL	CS50-04R-105RL	50A	105 x 105	1
CS80-03R-105NL	CS80-04R-105NL	CS80-03R-105RL	CS80-04R-105RL	75A	105 x 105	1
CS125-03R-130NL	CS125-04R-130NL	CS125-03R-130RL	CS125-04R-130RL	120A	130 x 130	1
CS250-03R-130NL	CS250-04R-130NL	CS250-03R-130RL	CS250-04R-130RL	200A	130 x 130	1
CS400-03R-130NL	CS400-04R-130NL	CS400-03R-130RL	CS400-04R-130RL	250A	130 x 130	1
CS630-03R-130NL	CS630-04R-130NL	CS630-03R-130RL	CS630-04R-130RL	315A	130 x 130	1



### INTERRUTTORI BLOCCOPORTA FONDOQUADRO - IP55 - MANOPOLA STANDARD

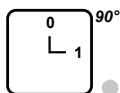
BASE MOUNTING INTERLOCKED SWITCHES - IP55 - STANDARD KNOB

codice IW - IW code

3 poli / 2 elemento	4 poli / 2 elementi	I <sub>n</sub> (A)	dimensioni (mm)	conf.
3 poles / 2 elements	4 poles / 2 elements	I <sub>n</sub> (A)	dimensions (mm)	pack.
CS20-03B-54S	CS20-04B-54S	25A	54 x 54	1
CS20-03B-72S	CS20-04B-72S	25A	72 x 72	1
CS25-03B-72S	CS25-04B-72S	25A	72 x 72	1
CS32-03B-72S	CS32-04B-72S	32A	72 x 72	1
CS50-03B-105S	CS50-04B-105S	50A	105 x 105	1
CS80-03B-105S	CS80-04B-105S	75A	105 x 105	1
CS125-03B-130S	CS125-04B-130S	120A	130 x 130	1
CS250-03B-130S	CS250-04B-130S	200A	130 x 130	1
CS400-03B-130S	CS400-04B-130S	250A	130 x 130	1
CS630-03B-130S	CS630-04B-130S	315A	130 x 130	1

# SERIE CS - INTERRUTTORI

## CS SERIES - SWITCHES



### INTERRUTTORI BLOCCOPORTA FONDOQUADRO - IP55 - MANOPOLA LUCCHETTABILE BASE MOUNTING INTERLOCKED SWITCHES - IP55 - INTERLOCKED KNOB

codice IW - IW code				I <sub>n</sub> (A)	dimensioni (mm)	conf.
3 poli / 2 elementi	4 poli / 2 elementi	3 poli / 2 elementi	4 poli / 2 elementi			
grigio / nero grey / black	grigio / nero grey / black	giallo / rosso yellow / red	giallo / rosso yellow / red	I <sub>n</sub> (A)	dimensions (mm)	pack.
CS20-03B-72NL	CS20-04B-72NL	CS20-03B-72RL	CS20-04B-72RL	25A	72 x 72	1
CS25-03B-72NL	CS25-04B-72NL	CS25-03B-72RL	CS25-04B-72RL	25A	72 x 72	1
CS32-03B-72NL	CS32-04B-72NL	CS32-03B-72RL	CS32-04B-72RL	32A	72 x 72	1
CS50-03B-105NL	CS50-04B-105NL	CS50-03B-105RL	CS50-04B-105RL	50A	105 x 105	1
CS80-03B-105NL	CS80-04B-105NL	CS80-03B-105RL	CS80-04B-105RL	75A	105 x 105	1
CS125-03B-130NL	CS125-04B-130NL	CS125-03B-130RL	CS125-04B-130RL	120A	130 x 130	1
CS250-03B-130NL	CS250-04B-130NL	CS250-03B-130RL	CS250-04B-130RL	200A	130 x 130	1
CS400-03B-130NL	CS400-04B-130NL	CS400-03B-130RL	CS400-04B-130RL	250A	130 x 130	1
CS630-03B-130NL	CS630-04B-130NL	CS630-03B-130RL	CS630-04B-130RL	315A	130 x 130	1



### INTERRUTTORI - FISSAGGIO SU FORO 22 MM - IP66 SWITCHES - HOLE MOUNTING 22 MM - IP66

codice IW - IW code			I <sub>n</sub> (A)	comando	conf.
2 poli / 1 elemento	3 poli / 2 elementi	4 poli / 2 elementi			
CS20-02FC-22DH	CS20-03FC-22DH	CS20-04FC-22DH	25A	Manopola / knob	1
CS20-02FC-22DK	CS20-03FC-22DK	CS20-04FC-22DK	25A	Chiave / key	1



### INTERRUTTORI IN CUSTODIA ISOLANTE - IP54 SWITCHES IN ENCLOSURE - IP54

codice IW - IW code				I <sub>n</sub> (A)	dimensioni (mm)	conf.
3 poli / 2 elementi	4 poli / 2 elementi	3 poli / 2 elementi	4 poli / 2 elementi			
grigio grey	grigio grey	giallo / rosso yellow / red	giallo / rosso yellow / red	I <sub>n</sub> (A)	dimensions (mm)	pack.
CS16-03E-00FN	CS16-04E-00FN	CS16-03E-00FR	CS16-04E-00FR	16A	130 x 95 x 91	1
CS20-03E-72S	CS20-04E-72S	CS20-03E-72RL	CS20-04E-72RL	25A	130 x 95 x 91	1
CS25-03E-72S	CS25-04E-72S	CS25-03E-72RL	CS25-04E-72RL	25A	130 x 95 x 91	1
CS32-03E-72S	CS32-04E-72S	CS32-03E-72RL	CS32-04E-72RL	32A	130 x 95 x 91	1

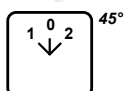


### INTERRUTTORI IN CASSETTA - IP54 - LEVA LATERALE SWITCHES IN ENCLOSURE - IP54 - SIDE LEVER

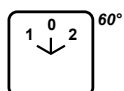
codice IW - IW code				I <sub>n</sub> (A)	conf.
3 poli	4 poli	3 poli	4 poli		
cassetta in termoplastico thermoplastic enclosure	cassetta in termoplastico thermoplastic enclosure	cassetta metallica metal enclosure	cassetta metallica metal enclosure	I <sub>n</sub> (A)	pack.
CS20-03E-00SL	CS20-04E-00SL	CS20-03EM-00SL	CS20-04EM-00SL	25A	1
CS25-03E-00SL	CS25-04E-00SL	CS25-03EM-00SL	CS25-04EM-00SL	25A	1
CS32-03E-00SL	CS32-04E-00SL	CS32-03EM-00SL	CS32-04EM-00SL	32A	1
CS50-03E-00SL	CS50-04E-00SL	CS50-03EM-00SL	CS50-04EM-00SL	50A	1
CS80-03E-00SL	CS80-04E-00SL	CS80-03EM-00SL	CS80-04EM-00SL	75A	1
-	-	CS125-03EM-00SL	CS125-04EM-00SL	120A	1

# SERIE CS – COMMUTATORI

## CS SERIES - CHANGEOVER SWITCHES



16...200A

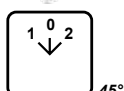


250...315A

### COMMUTATORI DI LINEA DA RETROQUADRO - IP40 - MANOPOLA STANDARD

FRONT MOUNTING CHANGEOVER SWITCHES - IP40 - STANDARD KNOB

codice IW - IW code							
1 polo / 1 elemento	2 poli / 2 elementi	3 poli / 3 elementi	4 poli / 4 elementi	$I_n$ (A)	dim. (mm)	conf.	
1 pole / 1 element	2 poles / 2 elements	3 poles / 3 elements	4 poles / 4 elements	$I_n$ (A)	dim. (mm)	pack.	
<b>CS16-05R-48S</b>	<b>CS16-06R-48S</b>	<b>CS16-07R-48S</b>	<b>CS16-45R-48S</b>	16A	48 x 48	1	
<b>CS20-05R-54S</b>	<b>CS20-06R-54S</b>	<b>CS20-07R-54S</b>	<b>CS20-45R-54S</b>	25A	54 x 54	1	
<b>CS20-05R-72S</b>	<b>CS20-06R-72S</b>	<b>CS20-07R-72S</b>	<b>CS20-45R-72S</b>	25A	72 x 72	1	
<b>CS25-05R-72S</b>	<b>CS25-06R-72S</b>	<b>CS25-07R-72S</b>	<b>CS25-45R-72S</b>	25A	72 x 72	1	
<b>CS32-05R-72S</b>	<b>CS32-06R-72S</b>	<b>CS32-07R-72S</b>	<b>CS32-45R-72S</b>	32A	72 x 72	1	
<b>CS50-05R-105S</b>	<b>CS50-06R-105S</b>	<b>CS50-07R-105S</b>	<b>CS50-45R-105S</b>	50A	105 x 105	1	
<b>CS80-05R-105S</b>	<b>CS80-06R-105S</b>	<b>CS80-07R-105S</b>	<b>CS80-45R-105S</b>	75A	105 x 105	1	
-	<b>CS125-06R-130S</b>	<b>CS125-07R-130S</b>	<b>CS125-45R-130S</b>	120A	130 x 130	1	
-	-	<b>CS250-07R-130S</b>	<b>CS250-45R-130S</b>	200A	130 x 130	1	
-	-	<b>CS400-07R-130S</b>	<b>CS400-45R-130S</b>	250A	130 x 130	1	
-	-	<b>CS630-07R-130S</b>	<b>CS630-45R-130S</b>	315A	130 x 130	1	

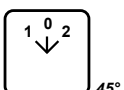


45°

### COMMUTATORI DI LINEA DA RETROQUADRO - IP54 - MANOPOLA LUCCHETTABILE

FRONT MOUNTING CHANGEOVER SWITCHES - IP54 - INTERLOCKED KNOB

codice IW - IW code				codice IW - IW code				conf.
3 poli / 3 elementi	4 poli / 4 elementi	$I_n$ (A)	dim. (mm)	3 poli / 3 elementi	4 poli / 4 elementi	$I_n$ (A)	dim. (mm)	
3 poles / 3 elements	4 poles / 4 elements	$I_n$ (A)	dim. (mm)	3 poles / 3 elements	4 poles / 4 elements	$I_n$ (A)	dim. (mm)	pack.
<b>CS20-07R-72NL</b>	<b>CS20-45R-72NL</b>	25A	72 x 72	<b>CS50-07R-105NL</b>	<b>CS50-45R-105NL</b>	50A	105 x 105	1
<b>CS25-07R-72NL</b>	<b>CS25-45R-72NL</b>	25A	72 x 72	<b>CS80-07R-105NL</b>	<b>CS80-45R-105NL</b>	75A	105 x 105	1
<b>CS32-07R-72NL</b>	<b>CS32-45R-72NL</b>	32A	72 x 72	<b>CS125-07R-130NL</b>	<b>CS125-45R-130NL</b>	120A	130 x 130	1

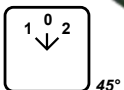


45°

### COMMUTATORI DI LINEA DA FONDOQUADRO - IP54 - MANOPOLA LUCCHETTABILE

BASE MOUNTING CHANGEOVER SWITCHES - IP54 - INTERLOCKED KNOB

codice IW - IW code				codice IW - IW code				conf.
3 poli / 3 elementi	4 poli / 4 elementi	$I_n$ (A)	dim. (mm)	3 poli / 3 elementi	4 poli / 4 elementi	$I_n$ (A)	dim. (mm)	
3 poles / 3 elements	4 poles / 4 elements	$I_n$ (A)	dim. (mm)	3 poles / 3 elements	4 poles / 4 elements	$I_n$ (A)	dim. (mm)	pack.
<b>CS20-07B-72NL</b>	<b>CS20-45B-72NL</b>	25A	72 x 72	<b>CS50-07B-105NL</b>	<b>CS50-45B-105NL</b>	50A	105 x 105	1
<b>CS25-07B-72NL</b>	<b>CS25-45B-72NL</b>	25A	72 x 72	<b>CS80-07B-105NL</b>	<b>CS80-45B-105NL</b>	75A	105 x 105	1
<b>CS32-07B-72NL</b>	<b>CS32-45B-72NL</b>	32A	72 x 72	<b>CS125-07B-130NL</b>	<b>CS125-45B-130NL</b>	120A	130 x 130	1



45°

### COMMUTATORI DI LINEA - FISSAGGIO SU FORO 22 MM - IP66

CHANGEOVER SWITCHES - HOLE MOUNTING 22 MM - IP66

codice IW - IW code					
3 poli / 3 elementi	4 poli / 4 elementi	$I_n$ (A)	comando		conf.
3 poles / 3 elements	4 poles / 4 elements	$I_n$ (A)	control		pack.
<b>CS20-07FC-22DH</b>	<b>CS20-45FC-22DH</b>	25A	Manopola - knob		1
<b>CS20-07FC-22DK</b>	<b>CS20-45FC-22DK</b>	25A	Chiave - key		1



### COMMUTATORI DI LINEA IN CASSETTA - IP54 / IP55 - LEVA LATERALE

CHANGEOVER SWITCHES IN ENCLOSURE - IP54 / IP55 - SIDE LEVER

codice IW - IW code					
3 poli - 3 poles	4 poli - 4 poles	3 poli - 3 poles	4 poli - 4 poles	$I_n$ (A)	conf.
cassetta in termoplastico IP55	cassetta in termoplastico IP55	cassetta metallica IP54	cassetta metallica IP54	$I_n$ (A)	pack.
thermoplastic enclosure IP55	thermoplastic enclosure IP55	metal enclosure IP54	metal enclosure IP54		
<b>CS20-07E-00SL</b> <sup>(1)</sup>	<b>CS20-45E-00SL</b> <sup>(1)</sup>	<b>CS20-07EM-00SL</b>	<b>CS20-45EM-00SL</b>	25A	1
<b>CS25-07E-00SL</b> <sup>(1)</sup>	<b>CS25-45E-00SL</b> <sup>(1)</sup>	<b>CS25-07EM-00SL</b>	<b>CS25-45EM-00SL</b>	25A	1
<b>CS32-07E-00SL</b> <sup>(2)</sup>	<b>CS32-45E-00SL</b> <sup>(2)</sup>	<b>CS32-07EM-00SL</b>	<b>CS32-45EM-00SL</b>	32A	1
<b>CS50-07E-00SL</b> <sup>(2)</sup>	<b>CS50-45E-00SL</b> <sup>(2)</sup>	<b>CS50-07EM-00SL</b>	<b>CS50-45EM-00SL</b>	50A	1
<b>CS80-07E-00SL</b> <sup>(2)</sup>	<b>CS80-45E-00SL</b> <sup>(2)</sup>	<b>CS80-07EM-00SL</b>	<b>CS80-45EM-00SL</b>	75A	1
-	-	<b>CS125-07EM-00SL</b> <sup>(3)</sup>	<b>CS125-45EM-00SL</b> <sup>(3)</sup>	120A	1

Dimensioni cassetta / Enclosure dimensions: (1) 122 x 97 x H 79 mm - (2) 171 x 183 x H 115 mm - (3) 252 x 268 x H 172 mm -

# SERIE CS - COMMUTATORI PER MOTORI

CS SERIES - MOTOR SWITCHES



## COMMUTATORI PER MOTORI DA RETROQUADRO - IP40 - MANOPOLA STANDARD FRONT MOUNTING MOTOR SWITCHES - IP40 - STANDARD KNOB

codice IW - IW code



45°



45°



45°

3 poli / 3 elementi

2 poli con fase ausiliaria /  
3 elementi

2 poli con condensatore /  
3 elementi

$I_n$  (A)

potenza  
(kW)

dimensioni  
(mm)

conf.

3 pole / 3 elements

2 poles with auxiliary phase /  
3 elements

2 poles with capacitor / 3  
elements

$I_n$ (A)

power  
(kW)

dimensions  
(mm)

pack.

invertitori di marcia - reversers

CS16-08R-48S	-	-	16A	5,5	48 x 48	1
CS20-08R-54S	CS20-32R-54S	CS20-37R-54S	25A	7,5	54 x 54	1
CS20-08R-72S	CS20-32R-72S	CS20-37R-72S	25A	7,5	72 x 72	1
CS25-08R-72S	CS25-32R-72S	CS25-37R-72S	25A	11	72 x 72	1
CS32-08R-72S	-	-	32A	18,5	72 x 72	1
CS50-08R-105S	-	-	50A	22	105 x 105	1
CS80-08R-105S	-	-	75A	30	105 x 105	1
CS125-08R-130S	-	-	120A	45	130 x 130	1



45°



45°

3 poli dahlander / 4  
elementi

3 poli con inversione / 7  
elementi

$I_n$  (A)

potenza  
(kW)

dimensioni  
(mm)

conf.

3 poles dahlander / 4  
elements

3 poles with inversion / 7  
elements

$I_n$ (A)

power  
(kW)

dimensions  
(mm)

pack.

commutatori di poli - poles changing

CS20-09R-54S	CS20-11R-54S	25A	7,5	54 x 54	1
CS20-09R-72S	CS20-11R-72S	25A	7,5	72 x 72	1
CS25-09R-72S	CS25-11R-72S	25A	11	72 x 72	1
CS32-09R-72S	-	32A	18,5	72 x 72	1
CS50-09R-105S	-	50A	22	105 x 105	1
CS80-09R-105S	-	75A	30	105 x 105	1
CS125-09R-130S	-	120A	45	130 x 130	1



## COMMUTATORI PER MOTORI DA RETROQUADRO - IP40 - MANOPOLA STANDARD FRONT MOUNTING MOTOR SWITCHES - IP40 - STANDARD KNOB

codice IW - IW code



45°-90°



60°



30°-60°



45°-90°

4 elementi

4 elementi

4 elementi

5 elementi

$I_n$  (A)

potenza  
(kW)

dimensioni  
(mm)

conf.

4 elements

4 elements

4 elements

5 elements

$I_n$ (A)

power  
(kW)

dimensions  
(mm)

pack.

commutatori stella-triangolo - star-delta changeover switches

CS20-10R-54S	CS20-70R-54S	CS20-54R-54S	CS20-12R-54S	25A	7,5	54 x 54	1
CS20-10R-72S	CS20-70R-72S	CS20-54R-72S	CS20-12R-72S	25A	7,5	72 x 72	1
CS25-10R-72S	CS25-70R-72S	CS25-54R-72S	CS25-12R-72S	25A	11	72 x 72	1
CS32-10R-72S	CS32-70R-72S	-	-	32A	18,5	72 x 72	1
CS50-10R-105S	CS50-70R-105S	-	-	50A	22	105 x 105	1
CS80-10R-105S	CS80-70R-105S	-	-	75A	30	105 x 105	1

# SERIE CS - COMMUTATORI PER MOTORI

CS SERIES - MOTOR SWITCHES



## COMMUTATORI PER MOTORI DA RETROQUADRO - IP40 - MANOPOLA STANDARD FRONT MOUNTING MOTOR SWITCHES - IP40 - STANDARD KNOB

codice IW - IW code



45°



45°

2 poli con fase ausiliaria / 2 elementi <i>2 poles with auxiliary phase / 2 elements</i>	2 poli con fase ausiliaria e inversione / 2 elementi <i>2 poles with auxiliary phase and inversion / 2 elements</i>	$I_n$ (A) <i><math>I_n</math> (A)</i>	potenza (kW) <i>power (kW)</i>	dimensioni (mm) <i>dimensions (mm)</i>	conf. <i>pack.</i>
<b>CS20-29R-54S</b>	<b>CS20-30R-54S</b>	20A	7,5	54 x 54	1
<b>CS20-29R-72S</b>	<b>CS20-30R-72S</b>	20A	7,5	72 x 72	1
<b>CS25-29R-72S</b>	-	25A	11	72 x 72	1



## COMMUTATORI PER MOTORI IN CASSETTA - IP55 - LEVA LATERALE MOTOR SWITCHES IN ENCLOSURE - IP55 - SIDE LEVER

codice IW - IW code



45°



45°



45°-90°

Invertitori di marcia / 3 poli <i>3 poles / reversing switches</i>	3 poli / Commutatore di poli dahlander <i>3 poles / poles changing dahlander</i>	Commutatori stella - triangolo <i>Star - delta switches</i>	$I_n$ (A) <i><math>I_n</math> (A)</i>	potenza (kW) <i>power (kW)</i>	dimensioni (mm) <i>dimensions (mm)</i>	conf. <i>pack.</i>
<b>CS20-08E-00SL</b>	<b>CS20-09E-00SL</b>	<b>CS20-10E-00SL</b>	20A	7,5	252 x 268 x 172	1
<b>CS25-08E-00SL</b>	<b>CS25-09E-00SL</b>	<b>CS25-10E-00SL</b>	25A	11	252 x 268 x 172	1
<b>CS32-08E-00SL</b>	<b>CS32-09E-00SL</b>	<b>CS32-10E-00SL</b>	32A	18,5	252 x 268 x 172	1
<b>CS50-08E-00SL</b>	<b>CS50-09E-00SL</b>	<b>CS50-10E-00SL</b>	50A	22	252 x 268 x 172	1
<b>CS80-08E-00SL</b>	<b>CS80-09E-00SL</b>	<b>CS80-10E-00SL</b>	75A	30	252 x 268 x 172	1
<b>CS125-08EM-00SL</b>	<b>CS125-09EM-00SL</b>	<b>CS125-10EM-00SL</b> <sup>(1)</sup>	120A	40	252 x 268 x 172	1

(1) 60°

# SERIE CS - COMMUTATORI MULTIVIE

## CS SERIES - MULTI-STEP SWITCHES



### COMMUTATORI DI LINEA DA RETROQUADRO - IP40 - MANOPOLA STANDARD FRONT MOUNTING CHANGEOVER SWITCHES - IP40 - STANDARD KNOB

codice IW - IW code				I <sub>n</sub> (A) I <sub>n</sub> (A)	dimensioni (mm) dimensions (mm)	conf. pack.
Posizioni Positions	1 polo 1 pole	2 poli 2 poles	3 poli 3 poles			
	2 elementi 2 elements	3 elementi 3 elements	5 elementi 5 elements			
	<b>CS16-57R-48S</b>	-	-	16A	48 x 48	1
	<b>CS20-57R-54S</b>	<b>CS20-60R-54S</b>	<b>CS20-61R-54S</b>	25A	54 x 54	1
	<b>CS20-57R-72S</b>	<b>CS20-60R-72S</b>	<b>CS20-61R-72S</b>	25A	72 x 72	1
	<b>CS25-57R-72S</b>	<b>CS25-60R-72S</b>	<b>CS25-61R-72S</b>	25A	72 x 72	1
	<b>CS32-57R-72S</b>	-	-	32A	72 x 72	1
	2 elementi 2 elements	4 elementi 4 elements	6 elementi 6 elements			
	<b>CS20-58R-54S</b>	<b>CS20-62R-54S</b>	<b>CS20-63R-54S</b>	25A	54 x 54	1
	<b>CS20-58R-72S</b>	<b>CS20-62R-72S</b>	<b>CS20-63R-72S</b>	25A	72 x 72	1
	<b>CS25-58R-72S</b>	<b>CS25-62R-72S</b>	<b>CS25-63R-72S</b>	25A	72 x 72	1
	<b>CS32-58R-72S</b>	-	-	32A	72 x 72	1
	3 elementi 3 elements					
	<b>CS20-59R-54S</b>	-	-	25A	54 x 54	1
	<b>CS20-59R-72S</b>	-	-	25A	72 x 72	1
	<b>CS25-59R-72S</b>	-	-	25A	72 x 72	1
	<b>CS32-59R-72S</b>	-	-	32A	72 x 72	1
	3 elementi 3 elements	6 elementi 6 elements	9 elementi 9 elements			
	<b>CS20-64R-54S</b>	<b>CS20-65R-54S</b>	<b>CS20-66R-54S</b>	25A	54 x 54	1
	<b>CS20-64R-72S</b>	<b>CS20-65R-72S</b>	<b>CS20-66R-72S</b>	25A	72 x 72	1
	4 elementi 4 elements					
	<b>CS16-67R-48S</b>	-	-	16A	48 x 48	1
	<b>CS20-67R-54S</b>	-	-	20A	54 x 54	1
	<b>CS20-67R-72S</b>	-	-	20A	72 x 72	1
	1 elemento 1 element	2 elementi 2 elements	3 elementi 3 elements			
	<b>CS20-41R-54S</b>	<b>CS20-42R-54S</b>	<b>CS20-43R-54S</b>	25A	54 x 54	1
	<b>CS20-41R-72S</b>	<b>CS20-42R-72S</b>	<b>CS20-43R-72S</b>	25A	72 x 72	1
	2 elementi 2 elements					
	<b>CS20-38R-54S</b>	-	-	25A	54 x 54	1
	<b>CS20-38R-72S</b>	-	-	25A	72 x 72	1
	2 elementi 2 elements	4 elementi 4 elements	6 elementi 6 elements			
	<b>CS20-46R-54S</b>	<b>CS20-47R-54S</b>	<b>CS20-48R-54S</b>	25A	54 x 54	1
	<b>CS20-46R-72S</b>	<b>CS20-47R-72S</b>	<b>CS20-48R-72S</b>	25A	72 x 72	1
	3 elementi 3 elements	6 elementi 6 elements	9 elementi 9 elements			
	<b>CS20-49R-54S</b>	<b>CS20-50R-54S</b>	<b>CS20-51R-54S</b>	25A	54 x 54	1
	<b>CS20-49R-72S</b>	<b>CS20-50R-72S</b>	<b>CS20-51R-72S</b>	25A	72 x 72	1
	5 elementi 5 elements					
	<b>CS20-52R-54S</b>	-	-	25A	54 x 54	1
	<b>CS20-52R-72S</b>	-	-	25A	72 x 72	1
	6 elementi 6 elements					
	<b>CS20-53R-54S</b>	-	-	25A	54 x 54	1
	<b>CS20-53R-72S</b>	-	-	25A	72 x 72	1

► Norme - Standards IEC EN 60947-1, IEC EN 60947-3

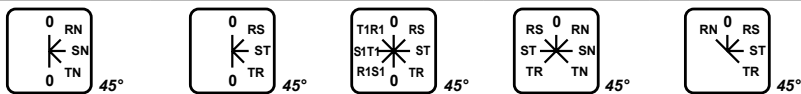
# SERIE CS - COMMUTATORI VOLTMETRICI / AMPEROMETRICI

CS SERIES - VOLTMETER / AMMETER SWITCHES



## COMMUTATORI VOLTMETRICI RETROQUADRO - IP40 - MANOPOLA STANDARD FRONT MOUNTING VOLTMETER SWITCHES - IP40 - STANDARD KNOB

codice IW - IW code

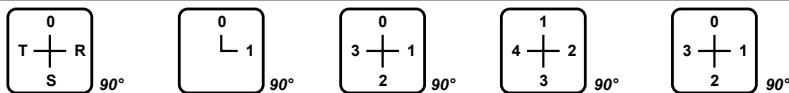


3 tensioni di fase <i>3 phase voltages</i>	3 tensioni concatenate <i>3 phase to phase</i>	3 tensioni concatenate di 2 linee trifase <i>3 phase to phase of 2 three-phase lines</i>	3 tensioni di fase 3 tensioni concatenate <i>3 phase voltages 3 phase to phase</i>	1 tensione di fase 3 tensioni concatenate <i>1 phase voltage 3 phase to phase</i>	$I_n$ (A) <i><math>I_n</math> (A)</i>	dimensioni (mm) <i>dimensions (mm)</i>	conf. <i>pack.</i>
2 elementi <i>2 elements</i>	2 elementi <i>2 elements</i>	4 elementi <i>4 elements</i>	3 elementi <i>3 elements</i>	3 elementi <i>3 elements</i>			
-	CS16-16R-48S	-	CS16-18R-48S	CS16-19R-48S	16A	48 x 48	1
CS20-15R-54S	CS20-16R-54S	CS20-17R-54S	CS20-18R-54S	CS20-19R-54S	25A	54 x 54	1
CS20-15R-72S	CS20-16R-72S	CS20-17R-72S	CS20-18R-72S	CS20-19R-72S	25A	72 x 72	1
CS25-15R-72S	CS25-16R-72S	-	CS25-18R-72S	-	25A	72 x 72	1



## COMMUTATORI AMPEROMETRICI RETROQUADRO - IP40 - MANOPOLA STANDARD FRONT MOUNTING AMMETER SWITCHES - IP40 - STANDARD KNOB

codice IW - IW code

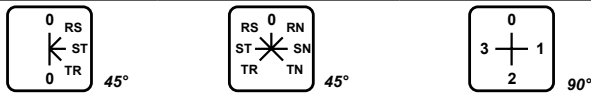


per misure dirette senza inter. di fase <i>for direct measurement without break</i>	unipolare per 1 riduttore di corrente <i>1 pole for 1 current reducer</i>	unipolare per 3 riduttori di corrente <i>1 pole for 3 current reducers</i>	unipolare per 4 riduttori di corrente <i>1 pole for 4 current reducers</i>	bipolare per 3 riduttori di corrente <i>2 poles for 3 current reducers</i>	$I_n$ (A) <i><math>I_n</math> (A)</i>	dimensioni (mm) <i>dimensions (mm)</i>	conf. <i>pack.</i>
5 elementi <i>5 elements</i>	1 elemento <i>1 element</i>	3 elementi <i>3 elements</i>	4 elementi <i>4 elements</i>	5 elementi <i>5 elements</i>			
-	-	CS16-22R-48S	-	-	16A	48 x 48	1
CS20-14R-54S	CS20-20R-54S	CS20-22R-54S	CS20-23R-54S	CS20-25R-54S	25A	54 x 54	1
CS20-14R-72S	CS20-20R-72S	CS20-22R-72S	CS20-23R-72S	CS20-25R-72S	25A	72 x 72	1
CS25-14R-72S	-	CS25-22R-72S	-	CS25-25R-72S	25A	72 x 72	1

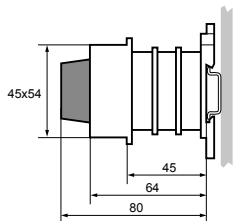


## COMMUTATORI VOLTMETRICI / AMPEROMETRICI - IP40 - FISSAGGIO SU GUIDA DIN FRONT MOUNTING VOLTMETER / AMMETER SWITCHES - IP40 - DIN RAIL MOUNTING

codice IW - IW code

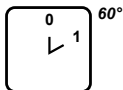


3 tensioni concatenate <i>3 phase to phase</i>	3 tensioni di fase 3 tensioni concatenate <i>3 phase voltages 3 phase to phase</i>	unipolare per 3 riduttori di corrente <i>1 pole for 3 current reducers</i>	$I_n$ (A) <i><math>I_n</math> (A)</i>	dimensioni (mm) <i>dimensions (mm)</i>	conf. <i>pack.</i>
voltmetrici <i>voltmeters</i>	voltmetrici <i>voltmeters</i>	amperometrici <i>ammeters</i>			
CS20-16B-45DR	CS20-18B-45DR	CS20-22B-45DR	25A	54 x 45	1



# SERIE CP - INTERRUTTORI - MORSETTI IP20

CP SERIES - SWITCHES - IP20 TERMINALS

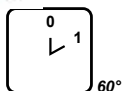


## INTERRUTTORI DA RETROQUADRO – IP54 - MANOPOLA STANDARD

FRONT MOUNTING SWITCHES - IP54 - STANDARD KNOB

codice IW - IW code

1 polo / 1 elemento <i>1 pole / 1 element</i>	2 poli / 2 elementi <i>2 poles / 2 elements</i>	3 poli / 2 elementi <i>3 poles / 2 elements</i>	4 poli / 2 elementi <i>4 poles / 2 elements</i>	I <sub>n</sub> (A) <i>I<sub>n</sub> (A)</i>	dim. (mm) <i>dim. (mm)</i>	conf. <i>pack.</i>
CP12-01R-48S	CP12-02R-48S	CP12-03R-48S	CP12-04R-48S	12A	48 x 48	1
CP12-01R-64S	CP12-02R-64S	CP12-03R-64S	CP12-04R-64S	12A	64 x 64	1
CP16-01R-48S	CP16-02R-48S	CP16-03R-48S	CP16-04R-48S	16A	48 x 48	1
CP16-01R-64S	CP16-02R-64S	CP16-03R-64S	CP16-04R-64S	16A	64 x 64	1

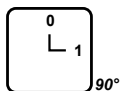


## INTERRUTTORI RETROQUADRO – IP40 - MANOPOLA STANDARD CON O SENZA MOSTRINA TONDA

FRONT MOUNTING SWITCHES – IP40 - STANDARD KNOB WITH OR WITHOUT ROUND PLATE

codice IW - IW code

1 polo / 1 elemento <i>1 pole / 1 element</i>	2 poli / 1 elemento <i>2 poles / 1 element</i>	3 poli / 2 elementi <i>3 poles / 2 elements</i>	4 poli / 2 elementi <i>4 poles / 2 elements</i>	I <sub>n</sub> (A) <i>I<sub>n</sub> (A)</i>	Ø mostrina <i>plate Ø</i>	conf. <i>pack.</i>
CP12-01R-00H	CP12-02R-00H	CP12-03R-00H	CP12-04R-00H	12A	senza / without	1
CP12-01R-47T	CP12-02R-47T	CP12-03R-47T	CP12-04R-47T	12A	47 mm	1
CP12-01R-52T	CP12-02R-52T	CP12-03R-52T	CP12-04R-52T	12A	52 mm	1
CP12-01R-59T	CP12-02R-59T	CP12-03R-59T	CP12-04R-59T	12A	57 mm	1
CP16-01R-00H	CP16-02R-00H	CP16-03R-00H	CP16-04R-00H	16A	senza / without	1
CP16-01R-47T	CP16-02R-47T	CP16-03R-47T	CP16-04R-47T	16A	47 mm	1
CP16-01R-52T	CP16-02R-52T	CP16-03R-52T	CP16-04R-52T	16A	52 mm	1
CP16-01R-59T	CP16-02R-59T	CP16-03R-59T	CP16-04R-59T	16A	57 mm	1

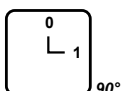


## INTERRUTTORI DA RETROQUADRO – IP54 - MANOPOLA LUCCHETTABILE

FRONT MOUNTING SWITCHES - IP54 - INTERLOCK KNOB

codice IW - IW code

1 polo / 1 elemento <i>1 pole / 1 element</i>	2 poli / 1 elemento <i>2 poles / 1 element</i>	3 poli / 2 elementi <i>3 poles / 2 elements</i>	4 poli / 2 elementi <i>4 poles / 2 elements</i>	I <sub>n</sub> (A) <i>I<sub>n</sub> (A)</i>	dim. (mm) <i>dim. (mm)</i>	conf. <i>pack.</i>
CP12-01R-64RL	CP12-02R-64RL	CP12-03R-64RL	CP12-04R-64RL	12A	64 x 64	1
CP12-01R-64NL	CP12-02R-64NL	CP12-03R-64NL	CP12-04R-64NL	12A	64 x 64	1
CP16-01R-64RL	CP16-02R-64RL	CP16-03R-64RL	CP16-04R-64RL	16A	64 x 64	1
CP16-01R-64NL	CP16-02R-64NL	CP16-03R-64NL	CP16-04R-64NL	16A	64 x 64	1



## INTERRUTTORI DA RETROQUADRO – IP54 – FISSAGGIO SU FORO 22 MM

FRONT MOUNTING SWITCHES - IP54 – HOLE MOUNTING 22 MM

codice IW - IW code

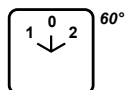
1 polo / 1 elemento <i>1 pole / 1 element</i>	2 poli / 1 elemento <i>2 poles / 1 element</i>	3 poli / 2 elementi <i>3 poles / 2 elements</i>	4 poli / 2 elementi <i>4 poles / 2 elements</i>	manopola <i>knob</i>	I <sub>n</sub> (A) <i>I<sub>n</sub> (A)</i>	dim. (mm) <i>dim. (mm)</i>	conf. <i>pack.</i>
CP12-01FC-64RL	CP12-02FC-64RL	CP12-03FC-64RL	CP12-04FC-64RL	lucchettabile interlock	12A	64 x 64	1
CP12-01FC-64NL	CP12-02FC-64NL	CP12-03FC-64NL	CP12-04FC-64NL	lucchettabile interlock	12A	64 x 64	1
CP12-01FC-48S	CP12-02FC-48S	CP12-03FC-48S	CP12-04FC-48S	standard standard	12A	48 x 48	1
CP12-01FC-22DH	CP12-02FC-22DH	CP12-03FC-22DH	CP12-04FC-22DH	corta short	12A	-	1
CP12-01FC-22DK	CP12-02FC-22DK	CP12-03FC-22DK	CP12-04FC-22DK	chiave key	12A	-	1
CP16-01FC-64RL	CP16-02FC-64RL	CP16-03FC-64RL	CP16-04FC-64RL	lucchettabile interlock	16A	64 x 64	1
CP16-01FC-64NL	CP16-02FC-64NL	CP16-03FC-64NL	CP16-04FC-64NL	lucchettabile interlock	16A	64 x 64	1
CP16-01FC-48S	CP16-02FC-48S	CP16-03FC-48S	CP16-04FC-48S	standard standard	16A	48 x 48	1
CP16-01FC-22DH	CP16-02FC-22DH	CP16-03FC-22DH	CP16-04FC-22DH	corta short	16A	-	1
CP16-01FC-22DK	CP16-02FC-22DK	CP16-03FC-22DK	CP16-04FC-22DK	chiave key	16A	-	1

Norme - Standards IEC EN 60947-1, IEC EN 60947-3

**ITALWEBER**  
**ROTEC**

# SERIE CP - COMMUTATORI DI LINEA - MORSETTI IP20

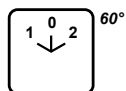
CP SERIES - CHANGEOVER SWITCHES - IP20 TERMINALS



## COMMUTATORI DI LINEA DA RETROQUADRO – IP54 - MANOPOLA STANDARD CHANGEOVER FRONT MOUNTING SWITCHES - IP54 - STANDARD KNOB

codice IW - IW code

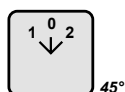
1 polo / 1 elemento <i>1 pole / 1 element</i>	2 poli / 2 elementi <i>2 poles / 2 elements</i>	3 poli / 3 elementi <i>3 poles / 3 elements</i>	4 poli / 4 elementi <i>4 poles / 4 elements</i>	I <sub>n</sub> (A) <i>I<sub>n</sub>(A)</i>	dim. (mm) <i>dim. (mm)</i>	conf. <i>pack.</i>
CP12-05R-48S	CP12-06R-48S	CP12-07R-48S	CP12-45R-48S	12A	48 x 48	1
CP12-05R-64S	CP12-06R-64S	CP12-07R-64S	CP12-45R-64S	12A	64 x 64	1
CP16-05R-48S	CP16-06R-48S	CP16-07R-48S	CP16-45R-48S	16A	48 x 48	1
CP16-05R-64S	CP16-06R-64S	CP16-07R-64S	CP16-45R-64S	16A	64 x 64	1



## COMMUTATORI DI LINEA RETROQUADRO - IP40 - MANOPOLA STANDARD CON O SENZA MOSTRINA CHANGEOVER FRONT MOUNTING SWITCHES - IP40 - STANDARD KNOB WITH OR WITHOUT ROUND PLATE

codice IW - IW code

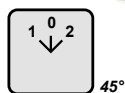
1 polo / 1 elemento <i>1 pole / 1 element</i>	2 poli / 1 elemento <i>2 poles / 1 element</i>	3 poli / 2 elementi <i>3 poles / 2 elements</i>	4 poli / 2 elementi <i>4 poles / 2 elements</i>	I <sub>n</sub> (A) <i>I<sub>n</sub>(A)</i>	Ø mostrina (mm) <i>plate Ø (mm)</i>	conf. <i>pack.</i>
CP12-05R-00H	CP12-06R-00H	CP12-07R-00H	CP12-45R-00H	12A	senza - without	1
CP12-05R-47T	CP12-06R-47T	CP12-07R-47T	CP12-45R-47T	12A	47	1
CP12-05R-52T	CP12-06R-52T	CP12-07R-52T	CP12-45R-52T	12A	52	1
CP12-05R-59T	CP12-06R-59T	CP12-07R-59T	CP12-45R-59T	12A	57	1
CP16-05R-00H	CP16-06R-00H	CP16-07R-00H	CP16-45R-00H	16A	senza - without	1
CP16-05R-47T	CP16-06R-47T	CP16-07R-47T	CP16-45R-47T	16A	47	1
CP16-05R-52T	CP16-06R-52T	CP16-07R-52T	CP16-45R-52T	16A	52	1
CP16-05R-59T	CP16-06R-59T	CP16-07R-59T	CP16-45R-59T	16A	57	1



## COMMUTATORI DI LINEA DA RETROQUADRO – IP54 - MANOPOLA LUCCHETTABILE CHANGEOVER FRONT MOUNTING SWITCHES - IP54 - INTERLOCK KNOB

codice IW - IW code

3 poli / 3 elementi <i>3 poles / 3 elements</i>	4 poli / 4 elementi <i>4 poles / 4 elements</i>	I <sub>n</sub> (A) <i>I<sub>n</sub>(A)</i>	dimensioni (mm) <i>dimensions (mm)</i>	conf. <i>pack.</i>
CP12-07R-64NL	CP12-45R-64NL	12A	64 x 64	1
CP16-07R-64NL	CP16-45R-64NL	16A	64 x 64	1



## COMMUTATORI DI LINEA DA RETROQUADRO – IP54 – FISSAGGIO SU FORO 22 MM CHANGEOVER FRONT MOUNTING SWITCHES - IP54 – HOLE MOUNTING 22 MM

codice IW - IW code

1 polo / 1 elemento <i>1 pole / 1 element</i>	2 poli / 2 elementi <i>2 poles / 2 elements</i>	3 poli / 3 elementi <i>3 poles / 3 elements</i>	4 poli / 4 elementi <i>4 poles / 4 elements</i>	manopola <i>knob</i>	I <sub>n</sub> (A) <i>I<sub>n</sub>(A)</i>	dim. (mm) <i>dim. (mm)</i>	conf. <i>pack.</i>
CP12-05FC-64NL	CP12-06FC-64NL	CP12-07FC-64NL	CP12-45FC-64NL	lucchettabile <i>interlock</i>	12	64 x 64	1
CP12-05FC-48S	CP12-06FC-48S	CP12-07FC-48S	CP12-45FC-48S	standard <i>standard</i>	12	48 x 48	1
CP12-05FC-22DH	CP12-06C-22DH	CP12-07FC-22DH	CP12-45FC-22DH	corta <i>short</i>	12	-	1
CP12-05FC-22DK	CP12-06C-22DK	CP12-07FC-22DK	CP12-45FC-22DK	chiave <i>key</i>	12	-	1
CP16-05FC-64NL	CP16-06FC-64NL	CP16-07FC-64NL	CP16-45FC-64NL	lucchettabile <i>interlock</i>	16	64 x 64	1
CP16-05FC-48S	CP16-06FC-48S	CP16-07FC-48S	CP16-45FC-48S	standard <i>standard</i>	16	48 x 48	1
CP16-05FC-22DH	CP16-06FC-22DH	CP16-07FC-22DH	CP16-45FC-22DH	corta <i>short</i>	16	-	1
CP16-05FC-22DK	CP16-06FC-22DK	CP16-07FC-22DK	CP16-45FC-22DK	chiave <i>key</i>	16	-	1

# SERIE CP – COMMUTATORI PER MOTORI - MORSETTI IP20

CP SERIES - CHANGEOVER MOTOR SWITCHES - IP20 TERMINALS



## COMMUTATORI PER MOTORI DA RETROQUADRO – IP54 - MANOPOLA STANDARD FRONT MOUNTING MOTOR SWITCHES – IP54 - STANDARD KNOB

codice IW - IW code



60°



45°



60°

3 poli / 3 elementi

2 poli con fase ausiliaria / 3 elementi

3 poli Dahlander / 4 elementi

$I_n$  (A)

$P_w$  (W)

dim. (mm)

conf.

3 poles / 3 elements

2 poles with auxiliary phase / 3 elements

3 poles Dahlander / 4 elements

$I_n$  (A)

$P_w$  (W)

dim. (mm)

pack.

Invertitori di marcia  
reversers

Commutatori di poli  
pole changing switch

CP12-08R-48S

CP12-32R-48S

CP12-09R-48S

12A

5,5

48 x 48

1

CP12-08R-64S

CP12-32R-64S

CP12-09R-64S

12A

5,5

64 x 64

1

CP16-08R-48S

CP16-32R-48S

CP16-09R-48S

16A

7,5

48 x 48

1

CP16-08R-64S

CP16-32R-64S

CP16-09R-64S

16A

7,5

64 x 64

1



60°



45°

4 elementi

2 elementi

$I_n$  (A)

$P_w$  (W)

dim. (mm)

conf.

4 elements

2 elements

$I_n$  (A)

$P_w$  (W)

dim. (mm)

pack.

commutatori stella-triangolo  
star-delta changeover switches

Interruttore 2 poli con fase ausiliaria  
2 poles switch with aux phase

CP12-10R-48S

CP12-29R-48S

12A

5,5

48 x 48

1

CP12-10R-64S

CP12-29R-64S

12A

5,5

64 x 64

1

CP16-10R-48S

CP16-29R-48S

16A

7,5

48 x 48

1

CP16-10R-64S

CP16-29R-64S

16A

7,5

64 x 64

1



## COMMUTATORI PER MOTORI FISSAGGIO FORO 22 MM – IP54/66 - MANOPOLA STANDARD 22 MM HOLE MOUNTING MOTOR SWITCHES – IP54/66 - STANDARD KNOB

codice IW - IW code



60°



45°



60°

3 poli / 3 elementi

2 poli con fase ausiliaria / 3 elementi

3 poli Dahlander / 4 elementi

$I_n$  (A)

$P_w$  (W)

dim. (mm)

conf.

3 poles / 3 elements

2 poles with auxiliary phase / 3 elements

3 poles Dahlander / 4 elements

$I_n$  (A)

$P_w$  (W)

dim. (mm)

pack.

Invertitori di marcia  
reversers

Commutatori di poli  
pole changing switch

CP12-08FC-48S

CP12-32FC-48S

CP12-09FC-48S

12A

5,5

48 x 48

1

CP12-08FC-22DH

CP12-32FC-22DH

CP12-09FC-22DH

12A

5,5

64 x 64

1

CP16-08FC-48S

CP16-32FC-48S

CP16-09FC-48S

16A

7,5

48 x 48

1

CP16-08FC-22DH

CP16-32FC-22DH

CP16-09FC-22DH

16A

7,5

64 x 64

1



60°



45°

4 elementi

2 elementi

$I_n$  (A)

$P_w$  (W)

dim. (mm)

conf.

4 elements

2 elements

$I_n$  (A)

$P_w$  (W)

dim. (mm)

pack.

commutatori stella-triangolo  
star-delta changeover switches

Interruttore 2 poli con fase ausiliaria  
2 poles switch with aux phase

CP12-10FC-48S

CP12-29FC-48S

12A

5,5

48 x 48

1

CP12-10FC-22DH

CP12-29FC-22DH

12A

5,5

64 x 64

1

CP16-10FC-48S

CP16-29FC-48S

16A

7,5

48 x 48

1

CP16-10FC-22DH

CP16-29FC-22DH

16A

7,5

64 x 64

1

# SERIE CP - COMMUTATORI VOLTMETRICI E AMPEROMETRICI - MORSETTI IP20

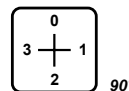
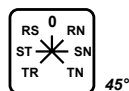
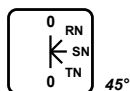
CP SERIES - FRONT MOUNTING VOLTMETER / AMMETER SWITCHES - IP20 TERMINALS



## COMMUTATORI VOLTMETRICI E AMPEROMETRICI RETROQUADRO – IP54 - MANOPOLA STANDARD

FRONT MOUNTING VOLTMETER AND AMMETER SWITCHES – IP54 - STANDARD KNOB

codice IW - IW code



3 tensioni concatenate / 2 elementi <i>3 phase to phase / 2 elements</i>	3 tensioni di fase + 3 tensioni concatenate / 3 elementi <i>3 phase voltages + 3 phase to phase / 3 elements</i>	1 polo per 3 riduttori di corrente / 3 elementi <i>1 pole for 3 current reducers / 3 elements</i>	$I_n$ (A) <i><math>I_n</math> (A)</i>	dimensioni (mm) <i>dimensions (mm)</i>	conf. <i>pack.</i>
---	---	--	--	---	-----------------------

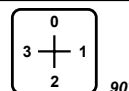
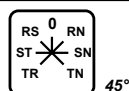
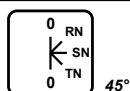
commutatori voltmetrici <i>voltmeter switches</i>		Commutatori amperometrici <i>ammeter switches</i>			
CP12-16R-48S	CP12-18R-48S	CP12-22R-48S	12A	48 x 48	1
CP12-16R-64S	CP12-18R-64S	CP12-22R-64S	12A	64 x 64	1
CP16-16R-48S	CP16-18R-48S	CP16-22R-48S	16A	48 x 48	1
CP16-16R-64S	CP16-18R-64S	CP16-22R-64S	16A	64 x 64	1



## COMMUT. VOLTMETRICI E AMPEROMETRICI FISSAGGIO FORO 22 MM – IP54/66 - MANOP. STANDARD

22 MM HOLE MOUNTING VOLTMETER AND AMMETER SWITCHES – IP54/66 - STANDARD KNOB

codice IW - IW code



3 tensioni concatenate / 2 elementi <i>3 phase to phase / 2 elements</i>	3 tensioni di fase + 3 tensioni concatenate / 3 elementi <i>3 phase voltages + 3 phase to phase / 3 elements</i>	1 polo per 3 riduttori di corrente / 3 elementi <i>1 pole for 3 current reducers / 3 elements</i>	$I_n$ (A) <i><math>I_n</math> (A)</i>	dimensioni (mm) <i>dimensions (mm)</i>	conf. <i>pack.</i>
---	---	--	--	---	-----------------------

commutatori voltmetrici <i>voltmeter switches</i>		Commutatori amperometrici <i>ammeter switches</i>			
CP12-16FC-48S	CP12-18FC-48S	CP12-22FC-48S	12A	48 x 48	1
CP12-16FC-22DH	CP12-18FC-22DH	CP12-22FC-22DH	12A	64 x 64	1
CP16-16FC-48S	CP16-18FC-48S	CP16-22FC-48S	16A	48 x 48	1
CP16-16FC-22DH	CP16-18FC-22DH	CP16-22FC-22DH	16A	64 x 64	1















# ACCESSORI PER SERIE CS - CP

## ACCESSORIES FOR CS - CP SERIES

ACCESSORI PER SERIE CS - CP ACCESSORIES FOR CS - CP SERIES				
codice code	per serie for series	descrizione description	immagine image	conf. pack.
ACM-1392N	CS20	manopola L 40 mm nera - knob L 40 mm black		1
ACM-1392R	CS20	manopola L 40 mm rossa - knob L 40 mm red		1
ACM-1527N	CS20/25/32	manopola L 50 mm nera - knob L 50 mm black		1
ACM-1538N	CS50/80	manopola L 70 mm nera - knob L 70 mm black		1
ACM-991N	CS125/250	manopola L 140 mm nera - knob L 140 mm black		1
ACF-2391RL	CS20/25/32	manopola lucchettabile 72 x 72 mm giallo-rossa - padlockable knob 72 x 72 mm yellow-red		1
ACF-2392RL	CS50/80	manopola lucchettabile 105 x 105 mm giallo-rossa - padlockable knob 105 x 105 mm yellow-red		1
ACL-1529N	CS20/25/32	leva nera - black lever		1
ACL-1529L	CS20/25/32	leva arancione - orange lever		1
ACL-1540L	CS50/80	leva arancione - orange lever		1
ACL-997L	CS125 ... 630	leva arancione - orange lever		1
ACF-3455SM	CS20/25/32	finitura (senza manopola) 54 x 54 mm targhetta neutra - actuator (without knob) 54 x 54 mm Neutral plate		1
ACF-3456SM	CS20/25/32	finitura (senza manopola) 72 x 72 mm targhetta neutra - actuator (without knob) 72 x 72 mm Neutral plate		1
ACG-1683	CS20	set di guarnizioni IP54 per finiture standard IP40 - IP54 gasket set for standard IP40 actuators		1
ACG-1590	CS20/25/32	set di guarnizioni IP54 per finiture standard IP40 - IP54 gasket set for standard IP40 actuators		1
ACG-1619	CS50/80	set di guarnizioni IP54 per finiture standard IP40 - IP54 gasket set for standard IP40 actuators		1
ACF-2390N	CS20	comando a manopola per fissaggio su foro ø22 mm - knob control for fixing on ø22 mm hole		1
ACS-1720	CS20	supporto per fissaggio posteriore - support for base mounting		1
ACS-1722	CS25/30	supporto per fissaggio posteriore - support for base mounting		1
ACS-1724	CS50/80	supporto per fissaggio posteriore - support for base mounting		1
ACS-1462	CS125/250	supporto per fissaggio posteriore - support for base mounting		1
ACS-1474	CS125/250	supporto per fissaggio posteriore - support for base mounting		1
ACS-1474	CS400/630	supporto per fissaggio posteriore - support for base mounting		1
ACD-2535	CS20	piastra per aggancio su guida DIN - plate for DIN rail mounting		1
ACC-417	CS20	adattatore Faston 6,3 mm per morsetti con viti M3,5 - faston adapter 6,3 mm for terminals with M3,5 screws		1
ACM-2536N	CS20/25/32	manopola ø 30 mm nera - knob ø30 mm black		1
ACM-2057R	CS20/25/32	manopola ø 30 mm rossa - knob ø30 mm red		1
ACM-2057N	CS20/25/32	manopola ø 37 mm nera - knob ø37 mm black		1
ACM-3587N	CS20/25/32	manopola ø 41 mm nera - knob ø41 mm black		1
ACM-2854N	CS20/25/32	manopola ø 41 IP65 mm nera - knob ø41 IP65 mm black		1
ACT-3818NL	CS20/25/32	manopola lucchettabile grigio-nera 72 x 72 mm 0-1 - padlockable knob grey-black 72 x 72 mm 0-1		1
ACF-2393NL	CS20/25/32	manopola lucchettabile grigio-nera 72 x 72 mm 1-0-2 - padlockable knob grey-black 72 x 72 mm 1-0-2		1
ACF-2394NL	CS50/80	manopola lucchettabile grigio-nera 105 x 105 mm 1-0-2 - padlockable knob grey-black 105 x 105 mm 1-0-2		1
ACT-2397YR	CS20/25/32	targhetta gialla man. rossa per interruttori - 72 mm - yellow legend plate red knob for switches - 72 mm		1
ACT-2396YR	CS20	targhetta gialla man. rossa per interruttori - 54 mm - yellow legend plate red knob for switches - 54 mm		1
ACT-2398YR	CS50/80	targhetta gialla man. rossa per interruttori - 105 mm - yellow legend plate red knob for switches - 105 mm		1





# ACCESSORI PER SERIE CS - CP

## ACCESSORIES FOR CS - CP SERIES

ACCESSORI PER SERIE CS - CP ACCESSORIES FOR CS - CP SERIES					
codice code	per serie for series	descrizione description	immagine image	conf. pack.	
ACF-2433SM	CS20/25/32	finitura protetta 70x70 mm (completa di targhetta 0-1 ø57) protected actuator 70x70 mm (complete with legend plate 0-1 ø57)		1	
ACF-2389N	CS20	comando a chiave per fissaggio su foro ø22 mm - key operated for fixing on ø22 mm hole		1	
ACR-2326	CS20	anello di riduzione da ø30 mm a ø22 mm - reducing ring from ø30mm to ø22mm		1	
ACS-1761	CS20...80	staffe di prolunga per fissaggio posteriore - Lunghezza: 35..171 mm extension shaft for base fixing - Length: 35..171 mm		1	
ACS-3516	CS50/80	piastra adattatrice per 4 fori di fissaggio 68x68 mm o 86x86 mm plate adapter for 4 fixing holes 68x68 mm or 86x86 mm		1	
ACS-3517	CS125...630	piastra adattatrice per 4 fori di fissaggio 68x68 mm o 104x104 mm plate adapter for 4 fixing holes 68x68 mm or 104x104 mm		1	
ACF-2065SM	CS25/32	dispositivo per trasformazione in blocco porta delle versioni retroquadro device for changing from rear mounting type to interlock type		1	
ACF-2066SM	CS50/80	dispositivo per trasformazione in blocco porta delle versioni retroquadro device for changing from rear mounting type to interlock type		1	
ACC-25RC4	CS20/25/32	protezione morsetti interruttori 3-4 poli - retroquadro - terminals protection 3-4 poles switches - front mounting		1	
ACC-50RC4	CS50	protezione morsetti interruttori 3-4 poli - retroquadro - terminals protection 3-4 poles switches - front mounting		1	
ACC-80RC4	CS80	protezione morsetti interruttori 3-4 poli - retroquadro - terminals protection 3-4 poles switches - front mounting		1	
ACC-125RC4	CS125	protezione morsetti interruttori 3-4 poli - retroquadro - terminals protection 3-4 poles switches - front mounting		1	
ACC-25BC4	CS20/25/32	protezione morsetti interruttori 3-4 poli - fondoquadro - terminals protection 3-4 poles switches - base mounting		1	
ACC-50BC4	CS50	protezione morsetti interruttori 3-4 poli - fondoquadro - terminals protection 3-4 poles switches - base mounting		1	
ACC-80BC4	CS80	protezione morsetti interruttori 3-4 poli - fondoquadro - terminals protection 3-4 poles switches - base mounting		1	
ACC-125BC4	CS125	protezione morsetti interruttori 3-4 poli - fondoquadro - terminals protection 3-4 poles switches - base mounting		1	
ACME-2403	CS20/25	custodia metallica comando laterale a leva IP55 - 113x95 h85 mm - Max 5 elementi IP55 Metal enclosure side lever - 113x95 h85 mm - 5 elements max			1
ACME-2403	CS32	custodia metallica comando laterale a leva IP55 - 113x95 h85 mm - Max 3 elementi IP55 Metal enclosure side lever - 113x95 h85 mm - 3 elements max			1
ACE-2401	CS20/25	comando a leva IP55 - 122x97 h79 mm - Max 6 elementi IP55 side lever operator - 122x97 h79 mm - 6 elements max			1
ACE-2401	CS32	comando a leva IP55 - 122x97 h79 mm - Max 4 elementi IP55 side lever operator - 122x97 h79 mm - 4 elements max			1
ACE-2402	CS50	comando a leva IP55 - 122x97 h79 mm - Max 6 elementi IP55 side lever operator - 122x97 h79 mm - 6 elements max	1		
ACE-2402	CS80	comando a leva IP55 - 122x97 h79 mm - Max 4 elementi IP55 side lever operator - 122x97 h79 mm - 4 elements max	1		
ACE-2532	CS16	comando frontale IP54 - 130x95 h91 mm - Max 4 elementi IP55 front operator - 130x95 h91 mm - 4 elements max		1	
ACE-2533	CS20/25	comando frontale IP54 - 130x95 h91 mm - Max 4 elementi IP55 front operator - 130x95 h91 mm - 4 elements max		1	
ACE-2533	CS32	Comando frontale IP54 - 130x95 h91 mm - Max 3 elementi IP55 front operator - 130x95 h91 mm - 3 elements max		1	
ACE-2534	CS50	Comando frontale IP54 - 130x95 h91 mm - Max 3 elementi IP55 front operator - 130x95 h91 mm - 3 elements max		1	
ACE-2534	CS80	Comando frontale IP54 - 130x95 h91 mm - Max 2 elementi IP55 front operator - 130x95 h91 mm - 2 elements max		1	



# ACCESSORI PER SERIE CS - CP

## ACCESSORIES FOR CS - CP SERIES

ACCESSORI PER SERIE CS - CP ACCESSORIES FOR CS - CP SERIES				
codice code	per serie for series	descrizione description	immagine image	conf. pack.
ACP-1466	CS20	protezione in gomma trasparente - 1 elemento - transparent PVC rubber protection - 1 element		1
ACP-10889	CS25/32	protezione in gomma trasparente - 1 elemento - transparent PVC rubber protection - 1 element		1
ACP-10891	CS50	protezione in gomma trasparente - 1 elemento - transparent PVC rubber protection - 1 element		1
ACP-10892	CS80	protezione in gomma trasparente - 1 elemento - transparent PVC rubber protection - 1 element		1
ACP-1466	CS20	protezione in gomma trasparente - 2 elementi - transparent PVC rubber protection - 2 elements		1
ACP-10889	CS25/32	protezione in gomma trasparente - 2 elementi - transparent PVC rubber protection - 2 elements		1
ACP-10890	CS32	protezione in gomma trasparente - 2 elementi - transparent PVC rubber protection - 2 elements		1
ACP-10891	CS50	protezione in gomma trasparente - 2 elementi - transparent PVC rubber protection - 2 elements		1
ACP-10892	CS80	protezione in gomma trasparente - 2 elementi - transparent PVC rubber protection - 2 elements		1
ACP-1467	CS20	protezione in gomma trasparente - 3 elementi - transparent PVC rubber protection - 3 elements		1
ACP-10890	CS25/32	protezione in gomma trasparente - 3 elementi - transparent PVC rubber protection - 3 elements		1
ACP-10892	CS50/80	protezione in gomma trasparente - 3 elementi - transparent PVC rubber protection - 3 elements		1
ACP-1467	CS20	protezione in gomma trasparente - 4 elementi - transparent PVC rubber protection - 4 elements		1
ACP-10890	CS25	protezione in gomma trasparente - 4 elementi - transparent PVC rubber protection - 4 elements		1
ACP-12481	CS32	protezione in gomma trasparente - 4 elementi - transparent PVC rubber protection - 4 elements		1
ACP-10892	CS50	protezione in gomma trasparente - 4 elementi - transparent PVC rubber protection - 4 elements		1
ACP-12792	CS80	protezione in gomma trasparente - 4 elementi - transparent PVC rubber protection - 4 elements		1
ACP-1468	CS20	protezione in gomma trasparente - 5 elementi - transparent PVC rubber protection - 5 elements		1
ACP-12481	CS25	protezione in gomma trasparente - 5 elementi - transparent PVC rubber protection - 5 elements		1
ACP-12482	CS32	protezione in gomma trasparente - 5 elementi - transparent PVC rubber protection - 5 elements		1
ACP-12792	CS50	protezione in gomma trasparente - 5 elementi - transparent PVC rubber protection - 5 elements		1
ACP-1468	CS20	protezione in gomma trasparente - 6 elementi - transparent PVC rubber protection - 6 elements		1
ACP-12481	CS25	protezione in gomma trasparente - 6 elementi - transparent PVC rubber protection - 6 elements		1
ACP-12483	CS32	protezione in gomma trasparente - 6 elementi - transparent PVC rubber protection - 6 elements		1
ACP-12792	CS50	protezione in gomma trasparente - 6 elementi - transparent PVC rubber protection - 6 elements		1
ACE-3150	CS20	comando frontale protetto IP54 - 78x60 h61 mm - Max 2 elementi IP54 protected front operator - 78x60 h61 mm - 2 elements max		1
ACS-CP-16	CP12 ..16	staffe in metallo per fissaggio fondoquadro con vite metal bracket for base mounting by screw		1
ACG-IP65		Guarnizione di tenuta IP65 IP65 seal gasket		1
ACG-IP54	CP12 ..16	Guarnizione di tenuta IP54 IP54 seal gasket		1
ACG-MP75		Guarnizione di tenuta IP65 IP65 seal gasket		1

## ACCESSORI PER SERIE CS - CP

### ACCESSORIES FOR CS - CP SERIES

ACCESSORI PER SERIE CS - CP ACCESSORIES FOR CS - CP SERIES							
codice <i>code</i>	per serie <i>for series</i>	colore <i>colour</i>	tipo <i>type</i>	descrizione <i>description</i>	immagine <i>image</i>	conf. <i>pack.</i>	
ACM-P5-L38N	CP12 ..16	●	Manopola a pressione <i>pressure knob</i>	5 – 26 mm / L= 38 mm		1	
ACM-P5-L38R		●				1	
ACM-P5-L38G		●				1	
ACM-P5-L43N		●				1	
ACM-P5-L43R		●				1	
ACM-P5-L43G		●				1	
ACM-V5-L38N	CP12 ..16	●	Manopola a vite <i>screw knob</i>	5 – 26 mm / L= 38 mm		1	
ACM-V5-L38R		●				1	
ACM-V5-L38G		●				1	
ACM-V5-L43N		●				1	
ACM-V5-L43R		●				1	
ACM-V5-L43G		●				1	
ACM-V6-L43N	CP20 ..32	●		6 – 38 mm / L= 43 mm		1	
ACM-V6-L43R		●				1	
ACM-V6-L43G		●				1	
ACP-F501			Ø 57 mm L = 70 mm	protezione in gomma PVC trasparente flessibile <i>Flexible transparent PVC rubber protection</i>		1	
ACP-F502			Ø 57 mm L = 103 mm	protezione in gomma PVC trasparente flessibile <i>Flexible transparent PVC rubber protection</i>		1	
ACR-PF5			Ø 57 mm	supporto per protezioni flessibili ACP-F501 e ACP-F502 in materiale plastico <i>Support for flexible protection ACP-F501 and ACP-F502 made in thermoplastic material</i>		1	
ACP-S601			Ø 65 mm L = 73 mm	protezione semirigida trasparente con ghiera di tenuta <i>semi-rigid transparent protection with lock nut</i>		1	
ACP-S602			Ø 65 mm L = 101 mm	protezione semirigida trasparente con ghiera di tenuta <i>semi-rigid transparent protection with lock nut</i>		1	
ACP-S603			Ø 65 mm L = 129 mm	protezione semirigida trasparente con ghiera di tenuta <i>semi-rigid transparent protection with lock nut</i>		1	
ACP-S604			Ø 65 mm L = 157 mm	protezione semirigida trasparente con ghiera di tenuta <i>semi-rigid transparent protection with lock nut</i>		1	
ACP-S801			Ø 85 mm L = 80 mm	protezione semirigida trasparente con ghiera di tenuta <i>semi-rigid transparent protection with lock nut</i>		1	
ACP-S802			Ø 85 mm L = 145 mm	protezione semirigida trasparente con ghiera di tenuta <i>semi-rigid transparent protection with lock nut</i>		1	
ACP-S803			Ø 85 mm L = 210 mm	protezione semirigida trasparente con ghiera di tenuta <i>semi-rigid transparent protection with lock nut</i>		1	
ACP-S804			Ø 85 mm L = 275 mm	protezione semirigida trasparente con ghiera di tenuta <i>semi-rigid transparent protection with lock nut</i>		1	

# ACCESSORI PER SERIE CS - CP

ACCESSORIES FOR CS - CP SERIES

## TARGHETTE FISSAGGIO SU FORO 22 MM

PLATES FOR HOLES 22 MM

codice IW - IW code

ACT-22921	ACT-24447	ACT-24720	ACT-22850	ACT-24143	
dim: 29,5 x 41 mm					
ACT-24894	ACT-24906	ACT-24890	ACT-24897	ACT-24892	ACT-24907
dim: 54 x 54 mm					

## TARGHETTE PER SERIE CS20/25/32

PLATES FOR CS20/25/32 SERIES

codice IW - IW code

ACT-20688	ACT-3813	ACT-20673	ACT-3814	ACT-20706	ACT-20772
ACT-20764	ACT-20742	ACT-20699	ACT-22456	ACT-20701	ACT-20733
ACT-20704	ACT-20686	ACT-20690	ACT-20830		
dim: 72 x 72 mm					
ACT-25175	ACT-22714	ACT-10433			
dim: Ø 57 mm					

## TARGHETTE PER SERIE CS20 - MOSTRINE FINESTRA DIN45

PLATES FOR CS20 SERIES - FRONTAL PLATES FOR DIN45 WINDOW

codice IW - IW code

ACT-25103	ACT-25138	ACT-25092	ACT-25120
ACT-25100	ACT-25102	ACT-25105	ACT-24919
comando a manopola - control by knob			
ACT-25053	ACT-25088	ACT-25042	ACT-25070
ACT-25050	ACT-25052	ACT-25055	ACT-24914
comando a chiave - control by key			




# AUSILIARI DI COMANDO – SERIE PM Ø 22 MM

CONTROL SWITCHES – SERIES PM Ø 22 MM

## LAMPADE DI SEGNALEZIONE LED MONOBLOCCO – 5 LUMEN

MONOBLOCK LED INDICATORS – 5 LUMEN


codice IW - IW code

	12V AC/DC	24V AC/DC	48V AC/DC	110V AC	110V DC	240V AC	220V DC	col. col.	conf. pack.
	ML0112	ML01124	ML01148	ML011110AC	ML011110DC	ML011240AC	ML011220DC	●	1
	ML0212	ML02124	ML02148	ML021110AC	ML021110DC	ML021240AC	ML021220DC	●	1
	ML0312	ML03124	ML03148	ML031110AC	ML031110DC	ML031240AC	ML031220DC	●	1
	ML0412	ML04124	ML04148	ML041110AC	ML041110DC	ML041240AC	ML041220DC	●	1
	ML0512	ML05124	ML05148	ML051110AC	ML051110DC	ML051240AC	ML051220DC	○	1

## LAMPADE DI SEGNALEZIONE LED MONOBLOCCO – 20 LUMEN

MONOBLOCK LED INDICATORS – 20 LUMEN


codice IW - IW code

	24V AC/DC	48V AC/DC	110V AC	110V DC	240V AC	220V DC	col. col.	conf. pack.
	ML01124L20	ML01148L20	ML011110ACL20	ML011110DCL20	ML011240ACL20	ML011220DCL20	●	1
	ML02124L20	ML02148L20	ML021110ACL20	ML021110DCL20	ML021240ACL20	ML021220DCL20	●	1
	ML03124L20	ML03148L20	ML031110ACL20	ML031110DCL20	ML031240ACL20	ML031220DCL20	●	1
	ML04124L20	ML04148L20	ML041110ACL20	ML041110DCL20	ML041240ACL20	ML041220DCL20	●	1
	ML05124L20	ML05148L20	ML051110ACL20	ML051110DCL20	ML051240ACL20	ML051220DCL20	○	1

## LAMPADE DI SEGNALEZIONE LED MONOBLOCCO – 10 LUMEN INTERMITTENTI

MONOBLOCK LED INDICATORS – 10 LUMEN INTERMITTENT


codice IW - IW code

	24V AC/DC	48V AC/DC	110V AC	110V DC	240V AC	220V DC	col. col.	conf. pack.
	ML01124L10	ML01148L10	ML011110ACL10	ML011110DCL10	ML011240ACL10	ML011220DCL10	●	1
	ML02124L10	ML02148L10	ML021110ACL10	ML021110DCL10	ML021240ACL10	ML021220DCL10	●	1
	ML03124L10	ML03148L10	ML031110ACL10	ML031110DCL10	ML031240ACL10	ML031220DCL10	●	1
	ML04124L10	ML04148L10	ML041110ACL10	ML041110DCL10	ML041240ACL10	ML041220DCL10	●	1
	ML05124L10	ML05148L10	ML051110ACL10	ML051110DCL10	ML051240ACL10	ML051220DCL10	○	1

## PULSANTI MONOBLOCCO NON LUMINOSI – TIPO RASATO E CON CONTATTI INTEGRATI

MONOBLOCK OPERATORS UNLIGHTED – FLUSHED HEAD INTEGRATED CONTACTS

codice IW - IW code

	1NO	1NC	1NO+1NC	2NO	2NC	col. col.	conf. pack.
	MPFB0110	MPFB0120	MPFB0130	MPFB0150	MPFB0160	●	1
	MPFB0210	MPFB0220	MPFB0230	MPFB0250	MPFB0260	●	1
	MPFB0310	MPFB0320	MPFB0330	MPFB0350	MPFB0360	●	1
	MPFB0610	MPFB0620	MPFB0630	MPFB0650	MPFB0660	●	1
	MPFB0410	MPFB0420	MPFB0430	MPFB0450	MPFB0460	●	1
	MPFB0510	MPFB0520	MPFB0530	MPFB0550	MPFB0560	○	1


# AUSILIARI DI COMANDO – SERIE PM Ø 22 MM

CONTROL SWITCHES – SERIES PM Ø 22 MM

## PULSANTI MONOBLOCCO NON LUMINOSI – CON COLLARE DI PROTEZIONE, CONTATTI INTEGRATI

MONOBLOCK OPERATORS UNLIGHTED – FLUSHED HEAD EXTENDED COLLAR, INTEGRATED CONTACTS


codice IW - IW code

	1NO	1NC	1NO+1NC	2NO	2NC	col. col.	conf. pack.
	MPPB0110	MPPB0120	MPPB0130	MPPB0150	MPPB0160	●	1
	MPPB0210	MPPB0220	MPPB0230	MPPB0250	MPPB0260	●	1
	MPPB0310	MPPB0320	MPPB0330	MPPB0350	MPPB0360	●	1
	MPPB0610	MPPB0620	MPPB0630	MPPB0650	MPPB0660	●	1
	MPPB0410	MPPB0420	MPPB0430	MPPB0450	MPPB0460	●	1
	MPPB0510	MPPB0520	MPPB0530	MPPB0550	MPPB0560	○	1

## PULSANTI MONOBLOCCO NON LUMINOSI – TIPO SPORGENTE E CON CONTATTI INTEGRATI

MONOBLOCK OPERATORS UNLIGHTED – EXTENDED HEAD, INTEGRATED CONTACTS








codice IW - IW code

	1NO	1NC	1NO+1NC	2NO	2NC	col. col.	conf. pack.
	MPEB0110	MPEB0120	MPEB0130	MPEB0150	MPEB0160	●	1
	MPEB0210	MPEB0220	MPEB0230	MPEB0250	MPEB0260	●	1
	MPEB0310	MPEB0320	MPEB0330	MPEB0350	MPEB0360	●	1
	MPEB0610	MPEB0620	MPEB0630	MPEB0650	MPEB0660	●	1
	MPEB0410	MPEB0420	MPEB0430	MPEB0450	MPEB0460	●	1
	MPEB0510	MPEB0520	MPEB0530	MPEB0550	MPEB0560	○	1

## SELETTORI MONOBLOCCO NON LUMINOSI – DUE POSIZIONI CON CONTATTI INTEGRATI

MONOBLOCK SELECTORS UNLIGHTED – TWO POSITIONS, WITH INTEGRATED CONTACTS







codice IW - IW code

	1NO	1NC	1NO+1NC	2NO	2NC	comando control	tipo type	conf. pack.
	MSB061A0	MSB062A0	MSB063A0	MSB065A0	MSB066A0	manopola short handle		1
	MSB061C0	MSB062C0	MSB063C0	MSB065C0	MSB066C0	manopola short handle		1
	MSB061B0	MSB062B0	MSB063B0	MSB065B0	MSB066B0	manopola short handle		1
	MKB61A0	MKB62A0	MKB63A0	MKB65A0	MKB66A0	chiave key		1
	MKB61B0	MKB62B0	MKB63B0	MKB65B0	MKB66B0	chiave key		1

## SELETTORI MONOBLOCCO NON LUMINOSI – TRE POSIZIONI CON CONTATTI INTEGRATI

MONOBLOCK SELECTORS UNLIGHTED – THREE POSITIONS, WITH INTEGRATED CONTACTS

codice IW - IW code

	1NO+1NC (1NO a sinistra) (1NO left)	1NO+1NC (1NO a destra) (1NO right)	2NO	2NC	comando control	tipo type	conf. pack.
	MSB063D0	MSB064D0	MSB065D0	MSB066D0	manopola short handle		1
	MSB063E0	MSB064E0	MSB065E0	MSB066E0	manopola short handle		1
	MKB63D0	MKB64D0	MKB65D0	MKB66D0	chiave key		1
	MKB63E0	MKB64E0	MKB65E0	MKB66E0	chiave key		1


## AUSILIARI DI COMANDO – SERIE PM Ø 22 MM

CONTROL SWITCHES – SERIES PM Ø 22 MM

### RONZATORI MONOBLOCCO 80 DB

MONOBLOCK BUZZER 80 DB


codice IW - IW code

	240V AC	110V AC	64V AC/DC	48V AC/DC	30V AC/DC	24V AC/DC	12V AC/DC	conf. pack.
		MB03240AC	MB03110AC	MB0364	MB0348	MB0330	MB0324	MB0312

### POTENZIOMETRO MONOBLOCCO


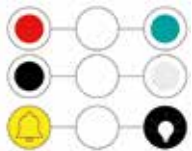

MONOBLOCK POTENTIOMETER

codice IW - IW code

	1KΩ	2KΩ	5KΩ	10KΩ	conf. pack.
		MVM1	MVM2	MVM5	MVM10

### PULSANTI MULTIFUNZIONE MODULARI




MODULAR MULTIFUNCTION PUSH BUTTONS

	codice IW		tipo	conf.
	IW code		type	pack.
	OMB121		luminoso - <i>lighted</i>	1
	OMB561		luminoso - <i>lighted</i>	1
	OMB36AH1		luminoso - <i>lighted</i>	1
	OMB120		non luminoso - <i>unlighted</i>	1
	OMB560		non luminoso - <i>unlighted</i>	1
	OMB36A0		non luminoso - <i>unlighted</i>	1
	OMB56UD0		non luminoso - <i>unlighted</i>	1

### PULSANTI MONOBLOCCO NON LUMINOSI – TIPO SPORGENTE E CON CONTATTI INTEGRATI

MONOBLOCK OPERATORS UNLIGHTED – EXTENDED HEAD, INTEGRATED CONTACTS








codice IW - IW code

	1NC	1NO+1NC	2NC	tipo	col. col.	conf. pack.
		ME012M0	ME013M0	ME016M0	Instabile - <i>momentary</i>	●
	ME022M0	ME023M0	ME026M0	●		1
	ME032M0	ME033M0	ME036M0	●		1
	ME062M0	ME063M0	ME066M0	●		1
	ME012R0	ME013R0	ME016R0	Sblocco a rotazione - <i>twist to release</i>	●	1
	ME022R0	ME023R0	ME026R0		●	1
	ME032R0	ME033R0	ME036R0		●	1
	ME062R0	ME063R0	ME066R0		●	1
	ME012P0	ME013P0	ME016P0	Sblocco a trazione - <i>push-pull</i>	●	1

# AUSILIARI DI COMANDO – SERIE PM Ø 22 MM

## CONTROL SWITCHES – SERIES PM Ø 22 MM







### PULSANTI DI EMERGENZA ED ACCESSORI EMERGENCY STOP AND ACCESSORIES

	codice IW <i>IW code</i>	tipo <i>type</i>	colore <i>colour</i>	conf <i>pack</i>
	OE1RB0	modulare, sblocco a rotazione - <i>modular, twist to release</i>	●	1
	OE1RV0	modulare, sblocco a rotazione (tipo visivo) - <i>modular, twist to release (vision type)</i>	●	1
	OE1PB0	modulare, sblocco a trazione - <i>modular, push-pull</i>	●	1
	OE1PV0	modulare, sblocco a trazione (tipo visivo) - <i>modular, push-pull (vision type)</i>	●	1
	OE01MB0	modulare, instabile - <i>modular, momentary</i>	●	1
	OE02MB0	modulare, instabile - <i>modular, momentary</i>	●	1
	OE03MB0	modulare, instabile - <i>modular, momentary</i>	●	1
	OE06MB0	modulare, instabile - <i>modular, momentary</i>	●	1
	CNC1	elemento di contatto a vite (1NC) – <i>screw contact element (1NC)</i>	●	1
	CNO1	elemento di contatto a vite (1NO) – <i>screw contact element (1NO)</i>	●	1


# AUSILIARI DI COMANDO – SERIE PM Ø 22 MM

CONTROL SWITCHES – SERIES PM Ø 22 MM


## PULSANTI DI EMERGENZA IN CASSETTA EMERGENCY STOP IN ENCLOSURE

codice IW - IW code					
	1NC	1NO+1NC	2NC	tipo type	conf. pack.
	B1MA001	B1MA002	B1MA003	monoblocco, contatti integrati, sblocco a rotazione monoblock, integrated contacts, twist to release	1
	B1MA004	B1MA005	B1MA006	monoblocco, contatti integrati, sblocco a trazione monoblock, integrated contacts, push-pull	1
	B10A001	B10A002	B10A003	modulare, contatti inclusi, sblocco a rotazione modular, included contacts, twist to release	1
	B10A007	B10A008	B10A009	modulare, contatti inclusi, sblocco a rotazione, visivo modular, included contacts, twist to release, visual	1
	B10A004	B10A005	B10A006	modulare, contatti inclusi, sblocco a trazione modular, included contacts, push-pull	1
	B10A010	B10A011	B10A012	modulare, contatti inclusi, sblocco a trazione, visivo modular, included contacts, push-pull, visual	1

## PULSANTIERE DI EMERGENZA CON 3 FORI – PULSANTE CON SBLOCCO A TRAZIONE EMERGENCY PUSHBUTTONS STATION WITH 3 HOLES – E-STOP PUSH-PULL

	codice IW IW code	pulsante emergenza emergency stop	allarme alarm	presa socket	conf. pack.
	B3MC001	1NC	2NO	universale - universal	1
	B3MC002	1NC+1NO	1NC+1NO	universale - universal	1
	B3MC003	2NC	2NO	universale - universal	1
	B3MC004	1NC	2NO	schuko	1
	B3MC005	1NC+1NO	1NC+1NO	schuko	1
	B3MC006	2NC	2NO	schuko	1

## PULSANTIERE DI EMERGENZA CON 3 FORI – PULSANTE CON SBLOCCO A ROTAZIONE EMERGENCY PUSHBUTTONS STATION WITH 3 HOLES – E-STOP TWIST TO RELEASE

	codice IW IW code	pulsante emergenza emergency stop	luce light	presa socket	conf. pack.
	B3MC007	1NC	2NO	universale - universal	1
	B3MC008	1NC+1NO	1NC+1NO	universale - universal	1
	B3MC009	2NC	2NO	universale - universal	1
	B3MC010	1NC	2NO	Schuko	1
	B3MC011	1NC+1NO	1NC+1NO	Schuko	1
	B3MC012	2NC	2NO	schuko	1

# AUSILIARI DI COMANDO – SERIE PM Ø 22 MM

CONTROL SWITCHES – SERIES PM Ø 22 MM

## PULSANTIERE DI EMERGENZA CON 3 FORI – PULSANTE CON SBLOCCO A TRAZIONE

EMERGENCY PUSHBUTTONS STATION WITH 3 HOLES – E-STOP PUSH-PULL



codice IW <i>IW code</i>	pulsante emergenza <i>emergency stop</i>	allarme <i>alarm</i>	luce <i>light</i>	presa <i>socket</i>	conf. <i>pack.</i>
B3MOC007	1NC	1NO	1NO	universale - <i>universal</i>	1
B3MOC008	2NC	1NO	1NO	universale - <i>universal</i>	1
B3MOC009	1NO	1NO	1NO	Schuko	1
B3MOC010	2NC	1NO	1NO	Schuko	1

## PULSANTIERE DI EMERGENZA CON 3 FORI – PULSANTE CON SBLOCCO A TRAZIONE

EMERGENCY PUSHBUTTONS STATION WITH 3 HOLES – E-STOP PUSH-PULL



codice IW <i>IW code</i>	pulsante emergenza <i>emergency stop</i>	luce <i>light</i>	presa <i>socket</i>	conf. <i>pack.</i>
B3MOC001	1NC	1NO	universale - <i>universal</i>	1
B3MOC002	2NC	1NO	universale - <i>universal</i>	1
B3MOC003	1NC+1NO	1NC+1NO	universale - <i>universal</i>	1
B3MOC004	1NC	1NO	Schuko	1
B3MOC005	2NC	1NO	Schuko	1
B3MOC006	1NC+1NO	1NC+1NO	schuko	1

## PULSANTIERE DI EMERGENZA CON 3 FORI – PULSANTE CON SBLOCCO A ROTAZIONE

EMERGENCY PUSHBUTTONS STATION WITH 3 HOLES – E-STOP TWIST TO RELEASE



codice IW <i>IW code</i>	pulsante emergenza <i>emergency stop</i>	ronzatore <i>buzzer</i>	led <i>led</i>	conf. <i>pack.</i>
B3MA005	1NC	24V AC/DC	24V AC/DC	1
B3MA006	1NC	240V AC	240V AC	1
B3MA007	2NC	24V AC/DC	24V AC/DC	1
B3MA008	2NC	240V AC	240V AC	1

## PULSANTIERE VUOTE

EMPTY PUSHBUTTONS STATIONS






codice IW - <i>IW code</i>					colore <i>color</i>	conf. <i>pack.</i>
1 foro <i>1 hole</i>	2 fori <i>2 holes</i>	3 fori <i>3 holes</i>	4 fori <i>4 holes</i>	6 fori <i>6 holes</i>		
B1A03	B2A03	B3A03	B4A03	B5A03	●	1
B1A09	B2A09	B3A09	B4A09	B5A09	●	1

# AUSILIARI DI COMANDO – SERIE PM Ø 22 MM

CONTROL SWITCHES – SERIES PM Ø 22 MM

## PULSANTIERE DI MANUTENZIONE SERIE LIST CON 4 FORI INSPECTION PUSHBUTTONS STATION SERIES LIST WITH 4 HOLES

codice IW <i>IW code</i>	pulsante emergenza <i>emergency stop</i>	tipo pulsante <i>e-stop type</i>	salita <i>Up</i>	discesa <i>Down</i>	consenso <i>Common</i>	interruttore <i>Switch</i>	conf. <i>pack.</i>
<b>B4MA001</b> 	1NC	Trazione <i>push pull</i>	1NO	1NO	1NC+1NO	2NC+2NO	1
<b>B4MA002</b> 	1NC	Trazione <i>push pull</i>	1NO	1NO	1NO	2NC+2NO	1
<b>B4MA003</b> 	2NC	Trazione <i>push pull</i>	2NO	2NO	-	3NC+1NO	1

## PULSANTIERE DI MANUTENZIONE SERIE LIST CON 5 FORI INSPECTION PUSHBUTTONS STATION SERIES LIST WITH 5 HOLES

codice IW <i>IW code</i>	pulsante emergenza <i>emergency stop</i>	tipo pulsante <i>e-stop type</i>	salita <i>Up</i>	discesa <i>Down</i>	consenso <i>Common</i>	interruttore <i>Switch</i>	allarme <i>alarm</i>	chiudi porta <i>door close</i>	apri porta <i>door open</i>	conf. <i>pack.</i>
<b>B5MA001</b> 	2NC	rotazione <i>twist to release</i>	2NO	2NO	1NC+1NO	3NC+1NO	-	-	-	1
<b>B5MA002</b> 	2NC	rotazione <i>twist to release</i>	2NO	2NO	1NO	3NC+1NO	-	-	-	1
<b>B5OA001</b> 	2NC	Trazione visivo <i>Push-pull visual</i>	2NO	2NO	1NC+1NO	2NC+2NO	-	-	-	1
<b>B5MA003</b> 	2NC	rotazione <i>twist to release</i>	2NO	2NO	1NO	3NC+3NO	1NO	1NO	1NO	1

# AUSILIARI DI COMANDO – SERIE PM Ø 22 MM

## CONTROL SWITCHES – SERIES PM Ø 22 MM










### PULSANTIERE PENILI HANGING PUSHBUTTON STATIONS

codice IW <i>IW code</i>	tipo <i>type</i>	salita <i>up</i>	discesa <i>down</i>	sinistra <i>left</i>	destra <i>right</i>	avanti <i>forward</i>	indietro <i>backward</i>	conf. <i>pack.</i>
 EP3101	con tappo <i>with cap</i>	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	-	-	-	-	1
 EP3104	con tappo 1NC <i>with cap</i> 1NC	2NA (doppia velocità) 2NO (double speed)	2NA (doppia velocità) 2NO (double speed)	-	-	-	-	1
 EPS3101	con fungo STOP – 1NC <i>with STOP</i> mushroom – 1NC	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	-	-	-	-	1
 EPS3104	con fungo STOP – 1NC <i>with STOP</i> mushroom – 1NC	2NA (doppia velocità) 2NO (double speed)	2NA (doppia velocità) 2NO (double speed)	-	-	-	-	1
 EPS31041	con fungo STOP – 1NC <i>with STOP</i> mushroom – 1NC	1NA+1NC (singola velocità) 1NO+1NC (single speed)	1NA+1NC (singola velocità) 1NO+1NC (single speed)	-	-	-	-	1
 EPS5101	con fungo STOP – 1NC <i>with STOP</i> mushroom – 1NC	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	-	-	1
 EPS5104	con fungo STOP – 1NC <i>with STOP</i> mushroom – 1NC	2NA (doppia velocità) 2NO (double speed)	2NA (doppia velocità) 2NO (double speed)	2NA (doppia velocità) 2NO (double speed)	2NA (doppia velocità) 2NO (double speed)	-	-	1
 EPS5102	con fungo STOP – 1NC <i>with STOP</i> mushroom – 1NC	2NA (doppia velocità) 2NO (double speed)	2NA (doppia velocità) 2NO (double speed)	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	-	-	1
 EP7101	con fungo STOP – 1NC <i>with STOP</i> mushroom – 1NC	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	1
 EPS7103	con fungo STOP – 1NC <i>with STOP</i> mushroom – 1NC	2NA (doppia velocità) 2NO (double speed)	2NA (doppia velocità) 2NO (double speed)	2NA (doppia velocità) 2NO (double speed)	2NA (doppia velocità) 2NO (double speed)	2NA (doppia velocità) 2NO (double speed)	2NA (doppia velocità) 2NO (double speed)	1
 EPS8101	con fungo STOP – 1N <i>with STOP</i> mushroom – 1NC	pulsante verde 1NA (singola velocità) green button 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	1NA (singola velocità) 1NO (single speed)	1

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

## CONTROL SWITCHES – SERIES PR Ø 22 MM

### PULSANTI NON LUMINOSI IN METALLO - ELEMENTO FRONTALE ROTONDO NON-ILLUMINATED PUSH BUTTON - METAL BODY - ROUND FRONT ELEMENT





	codice operatore <i>code operator</i>	codice attuatore <i>code actuator</i>	funzione <i>function</i>	tipo <i>type</i>	conf <i>pack</i>
	● ● ○ PR-010M22	● ATT-804A		bottone rasato <i>flush guard</i>	5
		● ATT-804G		5	
		● ATT-804V		5	
	● PR-020M22R	● ATT-805A		bottone sporgente <i>extended button</i>	5
		○ ATT-805B			5
		● ATT-805G			5
		● ATT-805N			5
	● PR-050M22R ● PR-050M22N		instabile <i>momentary</i>	fungo assiale <i>mushrooms head</i>	5
					5
	● PR-055M22R (Ø 40 mm) ● PR-055M22N (Ø 40 mm) ● PR-056M22R (Ø 60 mm)			fungo oscillante <i>wobble mushrooms head</i>	5
					5
					5
	● PR-054M22R			leva oscillante <i>wobble joystick</i>	5
	Ⓡ PR-255M22A	● ATT-804A		ripristino <i>reset</i>	5
		○ ATT-804B			5
		● ATT-804G			5
		● ATT-804N			5
		● ATT-804R			5
	PR-030M22	● ATT-804V		bottone rasato passo-passo protetto <i>flush guard push-on / push-off</i>	5
		● ATT-728A			5
		○ ATT-728B			5
		● ATT-728G			5
		● ATT-728N			5
		● ATT-728R			5
	● PR-045M22R ● PR-045M22N		stabile <i>maintained</i>	fungo passo-passo protetto <i>mushroom head push-on / push-off</i>	5
					5
	● PR-065M22R (Ø 40 mm) ● PR-066M22R (Ø 60 mm)			fungo sblocco a rotazione <i>mushroom head twist to release</i>	5
					5

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

CONTROL SWITCHES – SERIES PR Ø 22 MM

## PULSANTI LUMINOSI IN METALLO - ELEMENTO FRONTALE ROTONDO


ILLUMINATED PUSH BUTTON - METAL BODY - ROUND FRONT ELEMENT

	codice operatore <i>code operator</i>	codice attuatore <i>code actuator</i>	funzione <i>function</i>	tipo <i>type</i>	conf <i>pack</i>
	PR-122M22	<ul style="list-style-type: none"> <li>● ATT-814A</li> <li>● ATT-814G</li> <li>● ATT-814L</li> <li>● ATT-814R</li> <li>● ATT-814T</li> <li>● ATT-814V</li> </ul>		<ul style="list-style-type: none"> <li>● bottone rasato protetto <i>flush guard</i></li> </ul>	<ul style="list-style-type: none"> <li>5</li> <li>5</li> <li>5</li> <li>5</li> <li>5</li> <li>5</li> </ul>
	● PR-120M22R	<ul style="list-style-type: none"> <li>● ATT-814A</li> <li>● ATT-814G</li> <li>● ATT-814L</li> <li>● ATT-814T</li> <li>● ATT-814V</li> </ul>		<ul style="list-style-type: none"> <li>● bottone sporgente <i>extended button</i></li> </ul>	<ul style="list-style-type: none"> <li>5</li> <li>5</li> <li>5</li> <li>5</li> <li>5</li> </ul>
	● PR-150M22R		instabile <i>momentary</i>	<ul style="list-style-type: none"> <li>● fungo assiale <i>mushroom head</i></li> </ul>	<ul style="list-style-type: none"> <li>5</li> </ul>
	● PR-123M22R				<ul style="list-style-type: none"> <li>5</li> </ul>
	● PR-123M22V			<ul style="list-style-type: none"> <li>● bottone protetto con collare <i>flush with extended collar</i></li> </ul>	<ul style="list-style-type: none"> <li>5</li> </ul>
	● PR-123M22G				<ul style="list-style-type: none"> <li>5</li> </ul>
	● PR-123M22A				<ul style="list-style-type: none"> <li>5</li> </ul>
	PR-130M22	<ul style="list-style-type: none"> <li>● ATT-520A</li> <li>● ATT-520G</li> <li>● ATT-520R</li> <li>● ATT-520T</li> <li>● ATT-520V</li> </ul>		<ul style="list-style-type: none"> <li>● bottone rasato passo-passo <i>flush guard push on / push off</i></li> </ul>	<ul style="list-style-type: none"> <li>5</li> <li>5</li> <li>5</li> <li>5</li> <li>5</li> </ul>
	● PR-145M22R	<ul style="list-style-type: none"> <li>● ATT-521G</li> <li>● ATT-521V</li> </ul>	stabile <i>maintained</i>	<ul style="list-style-type: none"> <li>● fungo passo-passo <i>mushroom head push on / push off</i></li> </ul>	<ul style="list-style-type: none"> <li>5</li> <li>5</li> </ul>
	PR-165M22R			<ul style="list-style-type: none"> <li>● fungo sblocco a rotazione <i>mushroom head turn to reset</i></li> </ul>	<ul style="list-style-type: none"> <li>5</li> </ul>

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

CONTROL SWITCHES – SERIES PR Ø 22 MM

## SELETTORI - IN METALLO - ELEMENTO FRONTALE ROTONDO SELECTORS - METAL BODY - ROUND FRONT ELEMENT

		posizioni - position	60°		120°		60°			60°			conf. pack.				
			0	1	0	1	1	0	2	1	0	2		1	0	2	
 <p>parte superiori top side</p> <p>centrale central</p> <p>parte inferiore bottom side</p>		V01	X		X			X			X			X	X	-	
		V10		X		X			X			X			X		-
		V01L	X		X		X	X		X	X			X	X		-
		V10E		X		X		X	X		X	X		X			-
		V01	X		X		X			X				X	X		-
		V10		X		X			X			X			X		-
		V01L	X		X		X	X		X	X			X	X		-
			V10E		X		X		X	X			X			-	
						PR-200M22N										5	
						PR-201M22N										5	
						PR-250M22N										5	
							PR-204M22N									5	
							PR-205M22N									5	
							PR-254M22N									5	
								PR-210M22N					PR-213M22N			5	
								PR-230M22N	PR-232M22N			PR-233M22N				5	
								PR-270M22N								5	
								PR-280M22N					PR-283M22N			5	
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\* Per l'ordinazione sostituire alla "x" le iniziali del colore / Ordering replace "x" with the color code: (A = blu / blue, B = bianco / white, G = giallo / yellow, R = rosso / red, V = verde / green)

▼ Estrazione chiave / Key extraction


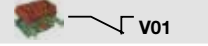
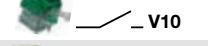
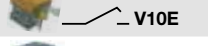
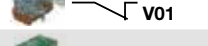


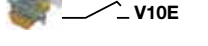









● Posizione di riposo / Rest position

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

CONTROL SWITCHES – SERIES PR Ø 22 MM

## MANIPOLATORI - IN METALLO - ELEMENTO FRONTALE ROTONDO








JOYSTICK OPERATORS - METAL BODY - ROUND FRONT ELEMENT

	posizioni position	90°			90°				conf. pack.	
		2	0	1	3	2	0	1		4
 <p>parte superiori top side</p>	 V01			X				X		-
	 _ V10	X				X				-
	 _ V10E	X	X		X	X	X		X	-
	 V01	X			X					-
	 _ V10			X					X	-
 <p>parte inferiore bottom side</p>	 _ V10E		X	X		X	X	X	X	-
	 2 · 1	PR-530M22NM								5
	 2 → · · 1	PR-531M22NM								5
	 3 2 · 1 4								PR-550M22NM	5
	 3 2 → · · 1 4								PR-551M22NM	5
	 2 · 1	PR-570M22NM								5
	 2 → · · 1	PR-571M22NM								5
	 3 2 · 1 4								PR-580M22NM	5
	 3 2 → · · 1 4								PR-581M22NM	5

X = contatto chiuso / closed contact

## INDICATORI LUMINOSI IN METALLO










PILOT LIGHTS - METAL BODY

	codice operatore code operator	codice attuatore code actuator	tipo type	conf pack
	PR-600M22 (BA9s)	 ATT-821A	indicatore luminoso per alimentazioni aggiuntive  pilot light for additional power supplies	1
		 ATT-821G		1
		 ATT-821L		1
		 ATT-821R		1
		 ATT-821T		1
		 ATT-821V		1

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

CONTROL SWITCHES – SERIES PR Ø 22 MM



## PULSANTI INSTABILI - CORPO IN TERMOPLASTICO MOMENTARY PUSHBUTTONS – THERMOPLASTIC BODY

	codice operatore <i>code operator</i>	codice attuatore <i>code actuator</i>	tipo <i>type</i>	conf <i>pack</i>
	PR-010T22	● ATT-804A	bottone rasato <i>flush guard</i>	5
		○ ATT-804B		5
		● ATT-804G		5
		● ATT-804N		5
		● ATT-804R		5
		● ATT-804V		5
	PR-010T22	● ATT-805A	bottone sporgente <i>extended button</i>	5
		○ ATT-805B		5
		● ATT-805G		5
		● ATT-805N		5
		● ATT-805R		5
		● ATT-805V		5
	PR-015T22	● ATT-728A	bottone rasato con collare di protezione <i>flush guard with extended collar</i>	5
		○ ATT-728B		5
		● ATT-728G		5
		● ATT-728N		5
		● ATT-728R		5
		● ATT-728V		5
	● PR-054T22R		leva oscillante <i>wobble joystick</i>	5
	● PR-050T22R		fungo assiale <i>mushroom head</i>	5
	● PR-055T22R (Ø 40 mm)		fungo oscillante <i>wobble mushroom head</i>	5
	● PR-056T22R (Ø 60 mm)			5
	PR-120T22	● ATT-814A	pulsante luminoso con bottone sporgente <i>illuminated pushbutton with extended button</i>	5
		● ATT-814G		5
		● ATT-814L		5
		● ATT-814R		5
		● ATT-814T		5
		● ATT-814V		5
	PR-120T22	● ATT-818R	pulsante luminoso con fungo <i>illuminated pushbutton with mushroom head</i>	5
		● ATT-818V		5
		● ATT-818G		5
	PR-556T22A	● ATT-804A	ripristino <i>reset</i>	5
		○ ATT-804B		5
		● ATT-804G		5
		● ATT-804N		5
		● ATT-804R		5
		● ATT-804V		5

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

CONTROL SWITCHES – SERIES PR Ø 22 MM

## PULSANTI STABILI - CORPO IN TERMOPLASTICO MAINTAINED PUSHBUTTONS – THERMOPLASTIC BODY

	codice operatore <i>code operator</i>	codice attuatore <i>code actuator</i>	tipo <i>type</i>	conf <i>pack</i>
	PR-030T22	● ATT-728A	bottono rasato passo-passo protetto <i>fush guard push on / push off</i>	5
		○ ATT-728B		5
		● ATT-728G		5
		● ATT-728N		5
		● ATT-728R		5
		● ATT-728V		5
	● PR-045T22R		fungo passo-passo <i>mushroom head push-on / push-off</i>	5
	● PR-045T22N			5

## INDICATORI LUMINOSI E COMANDO POTENZIOMETRO - CORPO IN TERMOPLASTICO ILLUMINATED INDICATOR AND POTENTIOMETRIC CONTROL – THERMOPLASTIC BODY

	codice operatore <i>code operator</i>	codice gemma <i>code lens</i>	tipo <i>type</i>	conf <i>pack</i>
	PR-600T22	● ATT-821A	indicatore luminoso per alimentazioni aggiuntive <i>Indicator light for additional power supplies</i>	5
		● ATT-821G		5
		● ATT-821L		5
		● ATT-821R		5
		● ATT-821T		5
		● ATT-821V		5
 <p>IP65</p>	PR-T16BA9S (BA9s)	● ATT-493A	monolitico Ø 16 mm <i>monolithic Ø 16 mm</i>	5
		○ ATT-493B		5
		● ATT-493G		5
		● ATT-493R		5
		● ATT-493V		5
 <p>IP65</p>	PR-T16E10 (E10)	● ATT-827A	monolitico Ø 16 mm <i>monolithic Ø 16 mm</i>	5
		○ ATT-827B		5
		● ATT-827G		5
		● ATT-827R		5
		● ATT-827V		5
 <p>Attacco / socket E14 IP67</p>		● PR-541T104A	jumbo	5
		○ PR-541T104B		5
		● PR-541T104G		5
		● PR-541T104L		5
		● PR-541T104T		5
		● PR-541T104R		5
		● PR-541T104V		5
	PR-601T22 (BA9s)	● ATT-821A	Indicatore luminoso monolitico in termoplastico <i>thermoplastic monolithic pilot light</i>	5
	PR-602T22 (E10)	● ATT-821G		5
		● ATT-821L		5
		● ATT-821R		5
		● ATT-821T		5
	PR-T22BA9S (BA9s)	● ATT-821A	Indicatore luminoso monolitico in termoplastico <i>thermoplastic monolithic pilot light</i>	5
	PR-T22E10 (E10)	○ ATT-821B		5
		● ATT-821G		5
		● ATT-821R		5
		● ATT-821V		5

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

CONTROL SWITCHES – SERIES PR Ø 22 MM

## SELETTORI NON LUMINOSI – 2/3 POSIZIONI – CORPO IN TERMOPLASTICO NON ILLUMINATED SELECTORS – 2/3 POSITIONS – THERMOPLASTIC BODY

		posizioni - position	60°		120°		60°			60°			conf. pack.			
			0	1	0	1	1	0	2	1	0	2		1	0	2
 parte superiori top side	 centrale central	 V01	X		X		X		X		X	X		-		
		 V10		X		X			X		X		X		-	
		 V01L	X		X		X	X		X	X		X	X		-
		 V10E		X		X		X	X		X	X		X		-
		 V01	X		X		X			X			X	X		-
		 V10		X		X			X			X			X	-
		 V01L	X		X		X	X		X	X		X	X		-
		 V10E		X		X		X	X		X	X			X	-
		PR-200T22N												5		
		PR-201T22N												5		
		PR-250T22N												5		
					PR-204T22N									5		
					PR-205T22N									5		
					PR-254T22N									5		
								PR-210T22N				PR-213T22N		5		
								PR-230T22N	PR-232T22N		PR-233T22N			5		
								PR-270T22N						5		
							PR-280T22N				PR-283T22N		5			
 manopola knob		PR-300T22N												5		
		PR-350T22N												5		
					PR-304T22N									5		
					PR-354T22N									5		
								PR-310T22N	PR-312T22N		PR-313T22N			5		
								PR-370T22N	PR-372T22N		PR-373T22N			5		
								PR-380T22N			PR-383T22N			5		
 leva lever		PR-400T22N												5		
		PR-450T22N												5		
					PR-404T22N									5		
					PR-454T22N									5		
								PR-410T22N	PR-412T22N		PR-413T22N			5		
								PR-470T22N	PR-472T22N		PR-473T22N			5		
								PR-480T22N			PR-483T22N			5		






▼ Estrazione chiave / Key extraction  
● Posizione di riposo / Rest position

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

CONTROL SWITCHES – SERIES PR Ø 22 MM

## PULSANTI DI EMERGENZA CON SBLOCCO A ROTAZIONE E A CHIAVE

EMERGENCY PUSHBUTTONS - TURN TO RELEASE AND KEY


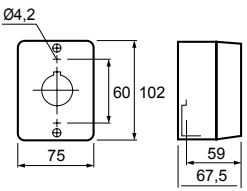

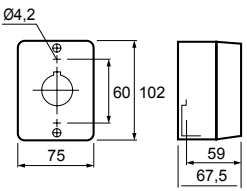

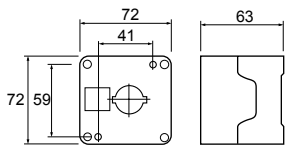

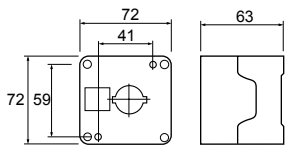

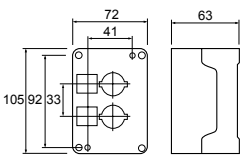

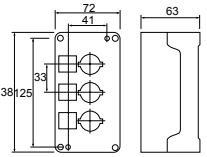

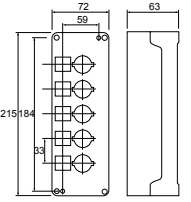

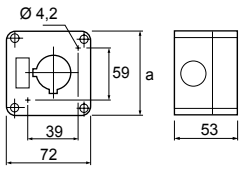

	codice operatore <i>code operator</i>	descrizione <i>description</i>	conf <i>pack</i>
	● PE-065T22RNC	Ø 40 mm completo di contatto 1NC <i>1NC terminal included</i>	5
	● PE-065T22R	Ø 40 mm	5
	● PA-065R-M	in custodia con pressacavi M16/20 <i>in enclosure with M16/20 cable glands</i>	1
	● PA-065R-PG	in custodia con pressacavi Pg11/16 <i>in enclosure with Pg11/16 cable glands</i>	1
	● PE-064T22R	Ø 30 mm	5
	● PE-075T22R	Ø 40 mm con sblocco a chiave <i>with key release</i>	5

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

CONTROL SWITCHES – SERIES PR Ø 22 MM

## CUSTODIE ISOLANTI A DOPPIO ISOLAMENTO – SENZA PULSANTI

INSULATED ENCLOSURES WITH DOUBLE INSULATION – WITHOUT PUSHBUTTONS

	codice IW	pressacavi	N° fori / tipo	grado di protezione	dimensioni (mm)	conf.
	<i>IW code</i>	<i>cable glands</i>	<i>N° holes / type</i>	<i>protection degree</i>	<i>dimensions (mm)</i>	<i>pack.</i>
	PC22-1Y-PG	Pg-13,5	1 Ø 22 mm	IP54		1
	PC30-1Y-PG	Pg-13,5	1 Ø 30 mm	IP54		1
	PC22-1G-PG	Pg-13,5	1 Ø 22 mm	IP54		1
	PC30-1G-PG	Pg-13,5	1 Ø 30 mm	IP54		1
	PA22-1Y-M	M16 / M20	1 Ø 22 mm	IP65		1
	PA22-1Y-PG	Pg-11 / Pg-16	1 Ø 22 mm	IP65		1
	PA22-1G-M	M16 / M20	1 Ø 22 mm	IP65		1
	PA22-1G-PG	Pg-11 / Pg-16	1 Ø 22 mm	IP65		1
	PA22-2G-M	M16 / M20	2 Ø 22 mm	IP65		1
	PA22-2G-PG	Pg-11 / Pg-16	2 Ø 22 mm	IP65		1
	PA22-3G-M	M16 / M20	3 Ø 22 mm	IP65		1
	PA22-3G-PG	Pg-11 / Pg-16	3 Ø 22 mm	IP65		1
	PA22-5G-M	M16 / M20	5 Ø 22 mm	IP65		1
	PA22-5G-PG	Pg-16 / Pg-21	5 Ø 22 mm	IP65		1
	PB22-1Y-PG	Pg-13,5	1 Ø 22 mm	IP65		1
	PB22-1G-PG	Pg-13,5	1 Ø 22 mm (a = 70)	IP65		1
	PB22-2G-PG	Pg-13,5	2 Ø 22 mm (a = 70)	IP65		1
	PB22-3G-PG	Pg-13,5	3 Ø 22 mm (a = 105)	IP65		1
	PB30-1G-PG	Pg-13,5	1 Ø 30 mm (a = 138)	IP65		1

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

CONTROL SWITCHES – SERIES PR Ø 22 MM

## CUSTODIE ISOLANTI A DOPPIO ISOLAMENTO – CON PULSANTI






INSULATED ENCLOSURES WITH DOUBLE INSULATION – WITH PUSHBUTTONS

	codice IW	pressacavi	contatti	grado di protezione	descrizione	dimensioni (mm)	conf.
	<i>IW code</i>	<i>cable glands</i>	<i>terminals</i>	<i>protection degree</i>	<i>description</i>	<i>dimensions (mm)</i>	<i>pack.</i>
	PA-81N-M	M16/20		IP65	bottone rasato flush guard		1
	PA-81R-M	M16/20					1
	PA-81N-PG	Pg11/16					1
	PA-81R-PG	Pg11/16					1
	PA-81B-M	M16/20		IP65	bottone rasato flush guard		1
	PA-81V-M	M16/20					1
	PA-81B-PG	Pg11/16					1
	PA-81V-PG	Pg11/16					1
	PA-85R-M	M16/20		IP65	fungo oscillante wobble mushroom		1
	PA-85R-PG	Pg11/16					1
	PA-200N-M	M16/20		IP65	selettore a chiave key selector		1
	PA-200N-PG	Pg11/16					1
	PA-82-M	M16/20		IP65	bottoni rasati flush guards		1
	PA-82A-M	M16/20					1
	PA-82-PG	Pg11/16					1
	PA-82A-PG	Pg11/16					1
	PA-83-M	M16/20		IP65	bottoni rasati flush guards		1
	PA-83A-M	M16/20					1
	PA-83B-M	M16/20					1
	PA-83-PG	Pg11/16					1
	PA-83A-PG	Pg11/16					1
	PA-87-M	M16/20		IP65	bottoni rasati e indicatore luminoso flush guards and pilot light		1
	PA-87A-M	M16/20					1
	PA-87B-M	M16/20					1
	PA-87-PG	Pg11/16					1
	PA-87A-PG	Pg11/16					1

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

CONTROL SWITCHES – SERIES PR Ø 22 MM



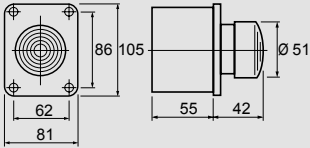


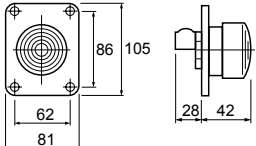
## PULSANTI IN TERMOPLASTICO E IN METALLO PLASTIC AND METAL PUSHBUTTONS

	codice operatore <i>code operator</i>	descrizione <i>description</i>	conf <i>pack</i>
	● PF-090TR	fungo assiale rosso Ø 90 mm <i>red mushroom Ø 90 mm</i>	1
	● PF-090TN	fungo assiale nero Ø 90 mm <i>black mushroom Ø 90 mm</i>	1
	● PF-091TR	fungo assiale da incasso rosso Ø 90 mm <i>flush mounting red mushroom Ø 90 mm</i>	1
	● PF-091TN	fungo assiale da incasso nero Ø 90 mm <i>flush mounting black mushroom Ø 90 mm</i>	1
	● PF-190TR	fungo oscillante rosso Ø 90 mm <i>wobble red mushroom Ø 90 mm</i>	1
	● PF-191TR	fungo oscillante da incasso rosso Ø 90 mm <i>flush mounting wobble red mushroom Ø 90 mm</i>	1

## PULSANTI LUMINOSI BRIGHT PUSHBUTTONS

	codice IW <i>IW code</i>	descrizione <i>description</i>	conf <i>pack</i>
	PF-090TBN-RVL12	pulsante opalino con LED rosso/verde 12V AC / DC <i>bright pushbutton with LED red/green 12V AC / DC</i>	1
	PF-090TBN-RVL24	pulsante opalino con LED rosso/verde 24V AC / DC <i>bright pushbutton with LED red/green 24V AC / DC</i>	1
















## PULSANTIERE METALLICHE IP65 IP65 METAL PUSHBUTTONS

	codice IW <i>IW code</i>	contatti <i>terminals</i>	descrizione <i>description</i>	dimensioni (mm) <i>dimensions (mm)</i>	conf <i>pack</i>
	PF-090MR		fungo assiale rosso <i>red mushroom</i>		1
	PF-091MR		fungo assiale da incasso rosso <i>flush mounting red mushroom</i>		1


# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

CONTROL SWITCHES – SERIES PR Ø 22 MM





## ELEMENTI DI CONTATTO CONTACT BLOCKS

	codice IW <i>IW code</i>	schema <i>schema</i>	colore <i>colour</i>	funzione <i>function</i>	descrizione <i>description</i>	conf. <i>pack.</i>
	V01		●	1NC	terminali a vite <i>screw terminals</i>	15
	V10		●	1NO		15
	V01L		●	1NC apertura ritardata / <i>late break</i>		15
	V10E		●	1NO apertura anticipata / <i>early break</i>		15
	B01		●	1NC	terminali a vite, montaggio fondo cassetta per custodia PA <i>screw terminals, bottom mounting for PA enclosures</i>	15
	B10		●	1NO		15
	B01L		●	1NC apertura ritardata / <i>late break</i>		15
	B10E		●	1NO apertura anticipata / <i>early break</i>		15
	F01		●	1NC	terminali a innesto <i>fast-on terminals</i>	15
	F10		●	1NO		15
	F01L		●	1NC apertura ritardata / <i>late break</i>		15
	F10E		●	1NO apertura anticipata / <i>early break</i>		15

## ALIMENTAZIONI POWER SUPPLIES

	codice IW <i>IW code</i>	descrizione <i>description</i>	conf. <i>pack</i>
	CBS-RBB9	diretta – per fissaggio sul fondo delle cassette <i>direct – for bottom mounting</i>	15
	CBS-RDB9		15










## LAMPADE DI SEGNALAZIONE SIGNALING LAMPS

	codice IW <i>IW code</i>	volt/watt <i>volt/watt</i>	descrizione <i>description</i>	conf. <i>pack.</i>
	ACC-BA9S6V	6V / 1,2W	BA9s a incandescenza <i>incandescent BA9s</i>	100
	ACC-BA9S24V	24V / 2W		100
	ACC-BA9S36V	36V / 2W		100
	ACC-BA9S48V	48V / 1,2W		100
	ACC-BA9S130V	130V / 2W		100
	ACC-BA9S220V	220V	BA9s al neon <i>Neon BA9s</i>	100
	ACC-E10/220V	220V	E10 al neon <i>Neon E10</i>	100
	ACC-LED240V	240V / 0,6W	BA9s a LED <i>LED BA9s</i>	100
	ACC-LED240R	240V / 0,6W		100
	ACC-LED240M	240V / 0,6W		100
	ACC-LED240A	240V / 0,6W		100
	ACC-LED240B	240V / 0,6W		100
	ACC-LED120V	120V / 0,6W		100
	ACC-LED120R	120V / 0,6W		100
	ACC-LED120M	120V / 0,6W		100
	ACC-LED120A	120V / 0,6W		100
	ACC-LED120B	120V / 0,6W		100
	ACC-LED24V	24V / 0,5W		100
	ACC-LED24R	24V / 0,5W		100
	ACC-LED24M	24V / 0,5W		100
	ACC-LED24A	24V / 0,5W		100
ACC-LED24B	24V / 0,5W	100		

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

## CONTROL SWITCHES – SERIES PR Ø 22 MM

### ACCESSORI VARI VARIOUS ACCESSORIES

	codice IW <i>IW code</i>	descrizione <i>description</i>	conf <i>pack</i>
	● ATT-482N	cappuccio di protezione per PR-10M22 e PR-010T22 <i>protection cap for PR-10M22 and PR-010T22</i>	5
	● ATT-482R		5
	● ATT-482O		5
	● ATT-482V		5
	● ATT-483N	cappuccio di protezione per PR-10M30 - <i>protection cap for PR-10M30</i>	5
	● ATT-483R		5
	● ATT-483O		5
	■ ATT-280	cappuccio di protezione per PQ-10M22 e PQ-010T22 <i>protection cap for PQ-10M22 and PQ-010T22</i>	5
	■ ATT-293	cappuccio di protezione per PR-11T22 - <i>protection cap for PQ-01AT22</i>	5
	ACC-734	estrattore lampadine BA9s / E10 - <i>bulb extractor BA9s / E10</i>	5
	ACC-622	piastra di rinforzo per operatori metallici in custodie PA (da utilizzare all'interno del coperchio per serrare i grani della piastra di ancoraggio degli operatori metallici) <i>reinforcement plate for operators in metal enclosures PA (to be used inside the cover to tighten the grains of the anchorage plate of metal operators)</i>	5
	ACC-973	placchetta antipolvere - 1 contatto - <i>dust plate protection - 1 contact</i>	5
	ACC-096	placchetta antipolvere - 2 contatti - <i>dust plate protection - 2 contacts</i>	5
	ACC-021	placchetta di aggancio contatti fondoquadro - 1 contatto <i>docking plate for base mounting contacts - 1 contact</i>	5
	ACC-538	placchetta di aggancio contatti fondoquadro - 2 contatti <i>docking plate for base mounting - 2 contacts</i>	5
	ACC-CH00E1	chiave normalmente fornita con i selettori - <i>key normally supplied with the selectors</i>	5

### ATTUATORI E SPECOLE CON SIMBOLOGIA ISO 1 (CONFEZIONE: 5 PEZZI) ACTUATORS AND LENSES WITH SYMBOLISM ISO 1 (PACKAGING: 5 PIECES)



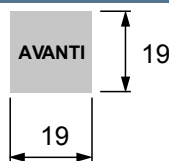
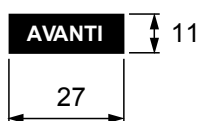
codice IW - IW code					simbolo <i>symbol</i>
attuatori <i>actuators</i>		specole <i>lens</i>			
PRM-010M22 PR-010T22		PRM-120M22 PRM-122M22	PR-600M22 PR-601T22 PR-602T22		
ATT-200R	ATT-200N	ATT-230	ATT-245	0	
ATT-201N	ATT-201B	ATT-201V	ATT-246	I	
ATT-202N	ATT-202V	ATT-232	ATT-247	II	
ATT-203N	ATT-203V	ATT-233	ATT-248	→	
ATT-204R		ATT-234	ATT-249	STOP	
ATT-205N	ATT-205V	ATT-235	ATT-250	START	
ATT-206R		ATT-236	ATT-251	ARRESTO	
ATT-207N	ATT-207V	ATT-237	ATT-252	MARCIA	

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

CONTROL SWITCHES – SERIES PR Ø 22 MM

## TARGHETTE AUTOADESIVE PER PULSANTIERE PB/PA (CONFEZIONE: 5 PEZZI)

SELF-ADHESIVE LEGEND PLATES FOR PB/PA PUSHBUTTONS (PACKAGING: 5 PIECES)

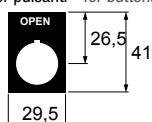


codice IW	descrizione	codice IW	descrizione	codice IW	descrizione
<i>IW code</i>	<i>description</i>	<i>IW code</i>	<i>description</i>	<i>IW code</i>	<i>description</i>
ACC-467	AVANTI	ACC-980	START	ACC-993	MONTEEE
ACC-468	INDIETRO	ACC-981	STOP	ACC-994	DESCENTE
ACC-469	FORWARD	ACC-982	AVANTI	ACC-995	SINISTRA
ACC-470	REVERSE	ACC-983	INDIETRO	ACC-399	DESTRA
ACC-465	START	ACC-984	FORWARD	ACC-397	NED
ACC-466	STOP	ACC-985	REVERSE	ACC-998	OP
ACC-481	0-1	ACC-986	ON	ACC-999	UP
ACC-464	NEUTRAL	ACC-987	OFF	ACC-000	DOWN
		ACC-388	IMPULSO	ACC-001	APRE
		ACC-989	MARCHE	ACC-002	CHIUDE
		ACC-990	ARRET	ACC-003	0 - 1
		ACC-991	ARRIERE	ACC-004	2 - 0 - 1
		ACC-992	AVANT	ACC-005	1 - 0 - 2

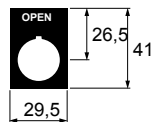
## TARGHETTE IN MATERIALE TERMOPLASTICO (CONFEZIONE: 5 PEZZI)

LEGEND PLATES IN THERMOPLASTIC MATERIAL (PACKAGING: 5 PIECES)

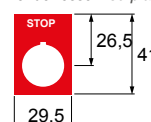
per pulsanti - for buttons



per selettori - for selectors



fondo rosso - red plate

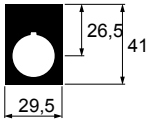
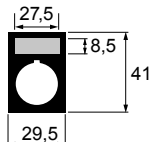
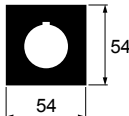
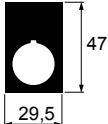
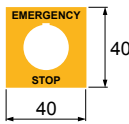
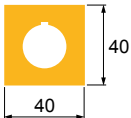
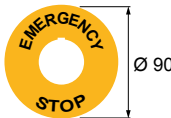



codice IW	descrizione	codice IW	descrizione	codice IW	descrizione	codice IW	descrizione
<i>IW code</i>	<i>description</i>	<i>IW code</i>	<i>description</i>	<i>IW code</i>	<i>description</i>	<i>IW code</i>	<i>description</i>
ACC-445	ACCESO	ACC-915	INSERITO	ACC-923	0 - 1	ACC-949	ARRESTO
ACC-914	APRE	ACC-917	LENTO	ACC-804	0 - 1 - 2	ACC-950	EMERGENZA
ACC-906	ARRESTO	ACC-919	MANUALE	ACC-988	1 - 2	ACC-948	STOP
ACC-286	AUMENTA	ACC-905	MARCIA	ACC-720	1 - 0 - 2	ACC-851	neutral
ACC-920	AUTOMATICO	ACC-932	OFF	ACC-922	2 - 0 - 1		
ACC-907	AVANTI	ACC-931	ON	ACC-926	APRE - CHIUDE		
ACC-913	CHIUDE	ACC-929	OPEN	ACC-925	ARRESTO - MARCIA		
ACC-526	CLOSE	ACC-934	OUT	ACC-924	AUTO - MAN		
ACC-930	CLOSED	ACC-918	RAPIDO	ACC-928	AUTO - 0 - MAN		
ACC-912	DESTRA	ACC-942	REVERSE	ACC-976	AVAN - 0 - INDIET		
ACC-287	DIMINUISCE	ACC-940	RUN	ACC-711	INS - DIS		
ACC-910	DISCESA	ACC-909	SALITA	ACC-763	ON - OFF - AUTO		
ACC-916	DISINSERITO	ACC-911	SINISTRA	ACC-927	OPEN - OFF - CLOSED		
ACC-936	DOWN	ACC-938	SLOW	ACC-921	0 - 1		
ACC-937	FAST	ACC-446	SPENTO	ACC-447	OFF - ON		
ACC-941	FORWARD	ACC-520	START	ACC-721	1 - MAN		
ACC-933	IN	ACC-521	STOP	ACC-805	1 - 2		
ACC-939	INCH	ACC-935	UP				
ACC-908	INDIETRO						

# AUSILIARI DI COMANDO – SERIE PR Ø 22 MM

## CONTROL SWITCHES – SERIES PR Ø 22 MM

### TARGHETTE VARIE (CONFEZIONE: 5 PEZZI) VARIOUS LEGEND PLATES (PACKAGING: 5 PIECES)

immagine image	codice IW IW code	descrizione description	immagine image	codice IW IW code	descrizione description
	<b>ACC-414</b>	in alluminio (da pantografare), neutra aluminum (to be engraved), neutral		<b>ACC-382</b>	in termoplastico con targhetta in alluminio (da pantografare), neutra in thermoplastic with aluminum legend plate to be engraved), neutral
	<b>ACC-850</b>	in termoplastico (da pressoincidere), neutra thermoplastic (to be inscribed), neutral		<b>ACC-497</b>	in termoplastico (da pressoincidere), neutra thermoplastic (to be inscribed), neutral
	<b>ACC-802</b>	in alluminio (da pantografare), neutra aluminum (to be engraved), neutral		<b>ACC-692</b>	EMERGENCY STOP in termoplastico, fondo giallo thermoplastic, yellow color
	<b>ACC-691G</b>	in termoplastico, fondo giallo, neutra thermoplastic, yellow color, neutral		<b>ACC-406</b>	ARRESTO EMERGENZA targhetta autoadesiva, fondo giallo self adhesive, yellow color
	<b>ACC-673</b>	ARRESTO EMERGENZA targhetta autoadesiva, fondo giallo self adhesive, yellow color		<b>ACC-407</b>	EMERGENCY STOP targhetta autoadesiva, fondo giallo self adhesive, yellow color
	<b>ACC-671</b>	EMERGENCY STOP targhetta autoadesiva, fondo giallo self adhesive, yellow color		<b>ACC-405</b>	arghetta autoadesiva, fondo giallo neutra self adhesive, yellow color neutral
	<b>ACC-670</b>	targhetta autoadesiva, fondo giallo neutra self adhesive, yellow color neutral			

# SEZIONATORI DA FONDOQUADRO - SERIE SZ

## DIN RAIL MOUNTING DISCONNECTORS - SZ SERIES

Gli interruttori-sezionatori modulari della serie SZ, consentono l'interruzione e il sezionamento sotto carico di macchine e linee di bassa tensione con correnti nominali da 16 a 200 A. Sono abitualmente impiegati nelle seguenti funzioni: interruttore generale, interruttore per partenze motori, interruttore di sicurezza, sezionatore. Caratteristiche generali: alto potere d'interruzione (AC22 A - AC23 A), doppia interruzione per ogni polo, elevata durata meccanica ed elettrica, esecuzione modulare, montaggio su profilato DIN 35 mm e a vite.

The modular switch disconnectors of SZ series, allow the breaking and the disconnecting on load of equipment on low voltage at nominal current from 16 to 200 A. They are commonly used for the following purposes: main switch, switch for motors, safety switch, disconnecter. General characteristics: high breaking capacity (AC22 A - AC23 A), double break contacts, high electrical and mechanical endurance, modular execution, basic mounting on 35 mm DIN rail and by screws.



### SEZIONATORI DA FONDOQUADRO SERIE SZ

#### SZ SERIES DIN RAIL MOUNTING DISCONNECTORS

maniglia diretta nera black direct handle		maniglia diretta giallo-rossa yellow-red direct handle		I <sub>n</sub> (A) I <sub>n</sub> (A)	tipo type	conf. pack.
codice IW IW code	N° poli N° poles	codice IW IW code	N° poli N° poles			
SZ1-16B-3PN	3P	SZ1-16B-3PR	3P	16A	SZ1	1
SZ1-16B-4PN	4P	SZ1-16B-4PR	4P			1
SZ1-16B-6PN	6P	SZ1-16B-6PR	6P			1
SZ1-16B-8PN	8P	SZ1-16B-8PR	8P			1
SZ1-25B-3PN	3P	SZ1-25B-3PR	3P	25A	SZ1	1
SZ1-25B-4PN	4P	SZ1-25B-4PR	4P			1
SZ1-25B-6PN	6P	SZ1-25B-6PR	6P			1
SZ1-25B-8PN	8P	SZ1-25B-8PR	8P			1
SZ1-32B-3PN	3P	SZ1-32B-3PR	3P	32A	SZ1	1
SZ1-32B-4PN	4P	SZ1-32B-4PR	4P			1
SZ1-32B-6PN	6P	SZ1-32B-6PR	6P			1
SZ1-32B-8PN	8P	SZ1-32B-8PR	8P			1
SZ1-40B-3PN	3P	SZ1-40B-3PR	3P	40A	SZ1	1
SZ1-40B-4PN	4P	SZ1-40B-4PR	4P			1
SZ1-40B-6PN	6P	SZ1-40B-6PR	6P			1
SZ1-40B-8PN	8P	SZ1-40B-8PR	8P			1
SZ1-63B-3PN	3P	SZ1-63B-3PR	3P	63A	SZ1	1
SZ1-63B-4PN	4P	SZ1-63B-4PR	4P			1
SZ1-63B-6PN	6P	SZ1-63B-6PR	6P			1
SZ1-63B-8PN	8P	SZ1-63B-8PR	8P			1
SZ2-80B-3PN	3P	SZ2-80B-3PR	3P	80A	SZ2	1
SZ2-80B-4PN	4P	SZ2-80B-4PR	4P			1
SZ2-80B-6PN	6P	SZ2-80B-6PR	6P			1
SZ2-80B-8PN	8P	SZ2-80B-8PR	8P			1
SZ2-100B-3PN	3P	SZ2-100B-3PR	3P	100A	SZ2	1
SZ2-100B-4PN	4P	SZ2-100B-4PR	4P			1
SZ2-100B-6PN	6P	SZ2-100B-6PR	6P			1
SZ2-100B-8PN	8P	SZ2-100B-8PR	8P			1
SZ2-125B-3PN	3P	SZ2-125B-3PR	3P	125A	SZ2	1
SZ2-125B-4PN	4P	SZ2-125B-4PR	4P			1
SZ2-125B-6PN	6P	SZ2-125B-6PR	6P			1
SZ2-125B-8PN	8P	SZ2-125B-8PR	8P			1
SZ3-125B-3PN	3P	SZ3-125B-3PR	3P	125A	SZ3	1
SZ3-125B-4PN	4P	SZ3-125B-4PR	4P			1
SZ3-125B-6PN	6P	SZ3-125B-6PR	6P			1
SZ3-125B-8PN	8P	SZ3-125B-8PR	8P			1
SZ3-160B-3PN	3P	SZ3-160B-3PR	3P	160A	SZ3	1
SZ3-160B-4PN	4P	SZ3-160B-4PR	4P			1
SZ3-160B-6PN	6P	SZ3-160B-6PR	6P			1
SZ3-160B-8PN	8P	SZ3-160B-8PR	8P			1
SZ3-200B-3PN	3P	SZ3-200B-3PR	3P	200A	SZ3	1
SZ3-200B-4PN	4P	SZ3-200B-4PR	4P			1
SZ3-200B-6PN	6P	SZ3-200B-6PR	6P			1
SZ3-200B-8PN	8P	SZ3-200B-8PR	8P			1

# SEZIONATORI DA FONDOQUADRO - SERIE SZ

DIN RAIL MOUNTING DISCONNECTORS - SZ SERIES



## SEZIONATORI DA FONDOQUADRO SERIE SZ – VERSIONE CON OMOLOGAZIONE UL SZ SERIES DIN RAIL MOUNTING DISCONNECTORS – VERSION WITH UL APPROVAL



maniglia diretta nera <i>black direct handle</i>		maniglia diretta giallo-rossa <i>yellow-red direct handle</i>		$I_n$ (A)	tipo	conf.
codice IW	N° poli	codice IW	N° poli			
<i>IW code</i>	<i>N° poles</i>	<i>IW code</i>	<i>N° poles</i>	<i>I<sub>n</sub> (A)</i>	<i>type</i>	<i>pack.</i>
SZ1-16B-3PNUL	3P	SZ1-16B-3PRUL	3P	16A	SZ1	1
SZ1-16B-4PNUL	4P	SZ1-16B-4PRUL	4P			1
SZ1-16B-6PNUL	6P	-	6P			1
SZ1-25B-3PNUL	3P	SZ1-25B-3PRUL	3P	25A	SZ1	1
SZ1-25B-4PNUL	4P	SZ1-25B-4PRUL	4P			1
SZ1-25B-6PNUL	6P	-	6P			1
SZ1-32B-3PNUL	3P	SZ1-32B-3PRUL	3P	32A	SZ1	1
SZ1-32B-4PNUL	4P	SZ1-32B-4PRUL	4P			1
SZ1-32B-6PNUL	6P	-	6P			1
SZ1-40B-3PNUL	3P	SZ1-40B-3PRUL	3P	40A	SZ1	1
SZ1-40B-4PNUL	4P	SZ1-40B-4PRUL	4P			1
SZ1-40B-6PNUL	6P	-	6P			1
SZ1-63B-3PNUL	3P	SZ1-63B-3PRUL	3P	63A	SZ1	1
SZ1-63B-4PNUL	4P	SZ1-63B-4PRUL	4P			1
SZ1-63B-6PNUL	6P	-	6P			1
SZ2-80B-3PNUL	3P	SZ2-80B-3PRUL	3P	80A	SZ2	1
SZ2-80B-4PNUL	4P	SZ2-80B-4PRUL	4P			1
SZ2-80B-6PNUL	6P	-	6P			1
SZ2-100B-3PNUL	3P	SZ2-100B-3PRUL	3P	100A	SZ2	1
SZ2-100B-4PNUL	4P	SZ2-100B-4PRUL	4P			1
SZ2-100B-6PNUL	6P	-	6P			1
SZ2-125B-3PNUL	3P	SZ2-125B-3PRUL	3P	125A	SZ2	1
SZ2-125B-4PNUL	4P	SZ2-125B-4PRUL	4P			1
SZ2-125B-6PNUL	6P	-	6P			1
SZ3-100B-3PNUL	3P	SZ3-100B-3PRUL	3P	100A	SZ3	1
SZ3-100B-4PNUL	4P	SZ3-100B-4PRUL	4P			1
SZ3-125B-3PNUL	3P	SZ3-125B-3PRUL	3P			125A
SZ3-125B-4PNUL	4P	SZ3-125B-4PRUL	4P	160A	SZ3	1
SZ3-160B-3PNUL	3P	SZ3-160B-3PRUL	3P			1
SZ3-160B-4PNUL	4P	SZ3-160B-4PRUL	4P			1

# COMMUTATORI DA FONDOQUADRO E ACCESSORI - SERIE SZ

## DIN RAIL MOUNTING CHANGEOVER SWITCHES AND ACCESSORIES - SZ SERIES

I commutatori manuali SZ consentono la commutazione di 2 linee elettriche separate di bassa tensione. Sono ottenuti interbloccando due normali interruttori della serie SZ. Posizioni di manovra I-0-II (in posizione 0 entrambi i sezionatori sono aperti) e I+II-II (in posizione I+II entrambi i sezionatori sono chiusi). Caratteristiche: maniglia diretta lucchettabile in posizione di zero, maniglia con e senza blocco porta, grado di protezione IP65.

The SZ manual switches allow the switching of 2 separate low voltage power lines. They are obtained by interlocking two normal SZ series switches. Operating positions I-0-II (in position 0 both disconnectors are open) and I+II-II (in position I+II both disconnectors are closed). Features: direct handle lockable in the zero position, handle with and without door lock, IP65 protection rating.



### COMMUTATORI DA FONDOQUADRO SERIE SZ SZ SERIES DIN RAIL MOUNTING CHANGEOVER SWITCHES

maniglia diretta nera (I-0-II) black direct handle (I-0-II)		maniglia diretta nera (I+II-II) black direct handle (I+II-II)		I <sub>n</sub> (A)	tipo	conf.
codice IW IW code	N° poli N° poles	codice IW IW code	N° poli N° poles			
SZ1-16B-C3PN	3P	SZ1-16B-C3PNOL	3P	16A	SZ1	1
SZ1-16B-C4PN	4P	SZ1-16B-C4PNOL	4P			1
SZ1-25B-C3PN	3P	SZ1-25B-C3PNOL	3P	25A		1
SZ1-25B-C4PN	4P	SZ1-25B-C4PNOL	4P			1
SZ1-32B-C3PN	3P	SZ1-32B-C3PNOL	3P	32A		1
SZ1-32B-C4PN	4P	SZ1-32B-C4PNOL	4P			1
SZ1-40B-C3PN	3P	SZ1-40B-C3PNOL	3P	40A		1
SZ1-40B-C4PN	4P	SZ1-40B-C4PNOL	4P			1
SZ1-63B-C3PN	3P	SZ1-63B-C3PNOL	3P	63A	1	
SZ1-63B-C4PN	4P	SZ1-63B-C4PNOL	4P		1	
SZ2-80B-C3PN	3P	SZ2-80B-C3PNOL	3P	80A	SZ2	1
SZ2-80B-C4PN	4P	SZ2-80B-C4PNOL	4P			1
SZ2-100B-C3PN	3P	SZ2-100B-C3PNOL	3P	100A		1
SZ2-100B-C4PN	4P	SZ2-100B-C4PNOL	4P			1
SZ2-125B-C3PN	3P	SZ2-125B-C3PNOL	3P	125A	SZ3	1
SZ2-125B-C4PN	4P	SZ2-125B-C4PNOL	4P			1
SZ3-125B-C3PN	3P	SZ3-125B-C3PNOL	3P	125A		1
SZ3-125B-C4PN	4P	SZ3-125B-C4PNOL	4P			1
SZ3-160B-C3PN	3P	SZ3-160B-C3PNOL	3P	160A		1
SZ3-160B-C4PN	4P	SZ3-160B-C4PNOL	4P			1



### COMMUTATORI DA FONDOQUADRO SERIE SZ - VERSIONE CON OMOLOGAZIONE UL SZ SERIES DIN RAIL MOUNTING CHANGEOVER SWITCHES - VERSION WITH UL APPROVAL



maniglia diretta nera black direct handle		I <sub>n</sub> (A)	tipo	conf.
codice IW IW code	N° poli N° poles			
SZ1-16B-C3PNUL	3P	16A	SZ1	1
SZ1-25B-C3PNUL	3P	25A		1
SZ1-32B-C3PNUL	3P	32A		1
SZ1-40B-C3PNUL	3P	40A		1
SZ1-63B-C3PNUL	3P	63A	SZ2	1
SZ2-80B-C3PNUL	3P	80A		1
SZ2-100B-C3PNUL	3P	100A		1
SZ2-125B-C3PNUL	3P	125A		1

### ACCESSORI PER COMMUTATORI SERIE SZ ACCESSORIES FOR SERIES SZ CHANGEOVER SWITCHES




codice code	descrizione description	per serie for series	per tipo for type	immagine image	conf. pack.
SZ1-MBPC-GN	maniglia blocco porta grigia - door interlock handle - grey	I-0-II	SZ1 / SZ2		1
SZ1-MBPCOL-GN	maniglia blocco porta grigia - door interlock handle - grey	I+II-II			1
SZ3-MBPC-GN	maniglia blocco porta grigia - door interlock handle - grey	I-0-II	SZ3		1
SZ3-MBPCOL-GN	maniglia blocco porta grigia - door interlock handle - grey	I+II-II			1

## ACCESSORI PER SEZIONATORI E COMMUTATORI SERIE SZ

ACCESSORIES FOR DISCONNECTORS AND CHANGEOVER SWITCHES - SERIES SZ










### ACCESSORI PER SEZIONATORI SERIE SZ

ACCESSORIES FOR SERIES SZ DISCONNECTORS

codice code	descrizione description	per tipo for type	immagine image	conf. pack.
SZ1-MBP-GN	maniglia blocco porta grigia - door interlock handle - grey	SZ1 / SZ2		1
SZ1-MBP-GR	maniglia blocco porta giallo / rossa - door interlock handle - yellow / red	3 - 4 poli - poles		1
SZ3-MBP-GN	maniglia blocco porta grigia - door interlock handle - grey	SZ3		1
SZ3-MBP-GR	maniglia blocco porta giallo / rossa - door interlock handle - yellow / red	3 - 4 poli - poles SZ1 / SZ2 / SZ3 6 - 8 poli - poles		1
SZ1-100MMAL	albero di comando in alluminio con puntale - L = 100 mm - Aluminium shaft with junction trip - L = 100 mm	SZ1 / SZ2		1
SZ1-200MMAL	albero di comando in alluminio con puntale - L = 200 mm - Aluminium shaft with junction trip - L = 200 mm	3 - 4 poli - poles		1

### ACCESSORI COMUNI PER SEZIONATORI E COMMUTATORI SERIE SZ

COMMON ACCESSORIES FOR DISCONNECTORS AND CHANGEOVER SWITCHES SERIES SZ

codice code	descrizione description	per tipo for type	immagine image	conf. pack.
SZ1-B-1NP	quarto polo di neutro - fourth neutral pole	SZ1		1
SZ2-B-1NP		SZ2		1
SZ3-B-1NP		SZ3		1
SZ1-B-PE	morsetto di terra - earthing neutral	SZ1		1
SZ2-B-PE		SZ2		1
SZ3-B-PE		SZ3		1
SZ1-B-TN	neutro passante - solid neutral	SZ1		1
SZ2-B-TN		SZ2		1
SZ3-B-TN		SZ3		1
SZ1-B-1CNP	quarto polo di neutro retroportella - fourth neutral pole door mounting disconnecter	SZ1		1
SZ2-B-2CNP		SZ2		1
SZ3-B-3CNP		SZ3		1
SZ1-C1	kit copri-terminali quarto polo neutro - fourth neutral pole terminals covers kit	SZ1		1
SZ2-C1		SZ2		1
SZ3-C1		SZ3		1
SZ1-C3	kit copri-terminali 3 poli - 3 poles terminals covers kit	SZ1		1
SZ2-C3		SZ2		1
SZ3-C3		SZ3		1
SZ1-AUX	contatti ausiliari in scambio 1NA+1NC / terminali a vite change over auxiliary contacts 1NO+1NC / screw terminals	SZ1 / SZ2 / SZ3		1
SZ1-AUX-F	contatti ausiliari in scambio 1NA+1NC / terminali a faston change over auxiliary contacts 1NO+1NC / faston terminals	SZ1 / SZ2 / SZ3		1
SZ1-100MM	albero di comando in acciaio con puntale - L = 100 mm - steel shaft with junction trip - L = 100 mm	SZ1 / SZ2 / SZ3		1
SZ1-200MM	albero di comando in acciaio con puntale - L = 200 mm - steel shaft with junction trip - L = 200 mm	3 - 4 poli - poles		1
SZ1-300MM	albero di comando in acciaio con puntale - L = 300 mm - steel shaft with junction trip - L = 300 mm	6 - 8 poli - poles		1

# SEZIONATORI DA RETROPORTELLA E ACCESSORI - SERIE SZ

## FRONT MOUNTING DISCONNECTORS AND ACCESSORIES - SZ SERIES



### SEZIONATORI DA RETROPORTELLA SERIE SZ

#### SZ SERIES FRONT MOUNTING DISCONNECTORS

maniglia nera - black handle		maniglia giallo-rossa - yellow-red handle		I <sub>n</sub> (A)	tipo	conf.
codice IW	n° poli	codice IW	n° poli			
<i>IW code</i>	<i>n°poles</i>	<i>IW code</i>	<i>n°poles</i>	<i>I<sub>n</sub>(A)</i>	<i>type</i>	<i>pack.</i>
SZ1-16R-3PN	3P	SZ1-16R-3PR	3P	16A		1
SZ1-16R-4PN	4P	SZ1-16R-4PR	4P			1
SZ1-25R-3PN	3P	SZ1-25R-3PR	3P	25A		1
SZ1-25R-4PN	4P	SZ1-25R-4PR	4P			1
SZ1-32R-3PN	3P	SZ1-32R-3PR	3P	32A	SZ1	1
SZ1-32R-4PN	4P	SZ1-32R-4PR	4P			1
SZ1-40R-3PN	3P	SZ1-40R-3PR	3P	40A		1
SZ1-40R-4PN	4P	SZ1-40R-4PR	4P			1
SZ1-63R-3PN	3P	SZ1-63R-3PR	3P	63A		1
SZ1-63R-4PN	4P	SZ1-63R-4PR	4P			1
SZ2-80R-3PN	3P	SZ2-80R-3PR	3P	80A	SZ2	1
SZ2-80R-4PN	4P	SZ2-80R-4PR	4P			1
SZ3-100R-3PN	3P	SZ3-100R-3PR	3P	100A		1
SZ3-100R-4PN	4P	SZ3-100R-4PR	4P			1
SZ3-125R-3PN	3P	SZ3-125R-3PR	3P	125A	SZ3	1
SZ3-125R-4PN	4P	SZ3-125R-4PR	4P			1
SZ4-180R-3PN	3P	SZ4-180R-3PR	3P	180A		1
SZ4-180R-4PN	4P	SZ4-180R-4PR	4P			1
SZ4-250R-3PN	3P	SZ4-250R-3PR	3P	250A	SZ4	1
SZ4-250R-4PN	4P	SZ4-250R-4PR	4P			1



### ACCESSORI PER SEZIONATORI DA RETROPORTELLA SERIE SZ

#### ACCESSORIES FOR FRONT MOUNTING DISCONNECTORS SERIES SZ

codice IW - IW code				I <sub>n</sub> (A)	tipo	conf.
4° polo (neutro anticipato)	4° polo (neutro contemporaneo)	neutro passante	contatti aux (1NA+1NC)			
<i>4th pole (make early, open late)</i>	<i>4th pole (contemporary)</i>	<i>solid neutral</i>	<i>aux contacts (1NO+1NC)</i>	<i>I<sub>n</sub>(A)</i>	<i>type</i>	<i>pack.</i>
SZ1-16R-1NP	SZ1-16R-1CNP	SZ1-16R-TN	SZ1-AUX-R	16A		1
SZ1-25R-1NP	SZ1-25R-1CNP	SZ1-25R-TN	SZ1-AUX-R	25A		1
SZ1-32R-1NP	SZ1-32R-1CNP	SZ1-32R-TN	SZ1-AUX-R	32A	SZ1	1
SZ1-40R-1NP	SZ1-40R-1CNP	SZ1-40R-TN	SZ1-AUX-R	40A		1
SZ1-63R-1NP	SZ1-63R-1CNP	SZ1-63R-TN	SZ1-AUX-R	63A		1
SZ2-80R-1NP	SZ2-80R-1CNP	SZ2-80R-TN	SZ1-AUX-R	80A	SZ2	1
SZ3-125R-1NP	SZ3-125R-1CNP	SZ3-125R-TN	SZ1-AUX-R	125A	SZ3	1
SZ4-250R-1NP	SZ4-250R-1CNP	SZ4-250R-TN	SZ1-AUX-R	250A	SZ4	1

# SEZIONATORI DA FONDOQUADRO - SERIE SILAMAT

## DIN RAIL MOUNTING DISCONNECTORS - SILAMAT SERIES

I sezionatori della serie Silamat sono apparecchi che racchiudono in un solo dispositivo le funzioni di sezionamento e di manovra di linee e carichi di qualsiasi tipo. Sono disponibili nelle versioni 3 e 4 poli, tutte con categoria di utilizzo AC-23A. Presentano doppia interruzione per ogni polo e contatti autopulenti. Sono realizzati in materiale plastico autoestinguente a bassa igroscopicità, ad alta resistenza meccanica ed alle correnti superficiali. Sono adatti per l'utilizzo in climi tropicali. Le maniglie bloccoporta sono lucchettabili in posizione 0. Tutti i sezionatori vengono forniti con albero di comando da 200 mm, ma senza manovra e senza calotte di protezione, che vanno acquistate a parte. La tensione operativa massima è di 690V AC.

The Silamat series disconnectors are devices that contain the functions of disconnecting and switching lines and loads of any type in a single device. They are available in 3 and 4 pole versions, all with AC-23A usage category. They have double interruption for each pole and self-cleaning contacts. They are made of self-extinguishing plastic material with low hygroscopicity, high mechanical resistance and surface current resistance. They are suitable for use in tropical climates. The door lock handles can be padlocked in the 0 position. All the disconnectors are supplied with a 200 mm control shaft, but without the handle and without protective caps, which must be purchased separately. The maximum operating voltage is 690V AC.



### INTERRUTTORI SEZIONATORI SENZA PORTAFUSIBILI SWITCH DISCONNECTORS WITHOUT FUSEHOLDERS

tipo tripolare - three poles type			tipo quadripolare - four poles type			I <sub>n</sub> (A)	tipo	conf.
codice IW	modello		codice IW	modello				
<i>IW code</i>	<i>model</i>		<i>IW code</i>	<i>model</i>		<i>I<sub>n</sub>(A)</i>	<i>type</i>	<i>pack.</i>
34300321	W32-P1/3		34400321	W32-P1/4		32A	P1	1
34300451	W45-P1/3		34400451	W45-P1/4		45A	P1	1
34300631	W63-P1/3		34400631	W63-P1/4		63A	P1	1
34300831	W80-P1/3		34400831	W80-P1/4		80A	P1	1
34311001	W100-P1/3		34411001	W100-P1/4		100A	P1	1
34311251	W125-P1/3		34411251	W125-P1/4		125A	P1	1
34321601	W160-P2/3		34421601	W160-P2/4		160A	P2	1
34322001	W200-P2/3		34422001	W200-P2/4		200A	P2	1
34322501	W250-P2/3		34422501	W250-P2/4		250A	P2	1
34333151	W315-P3/3		34433151	W315-P3/4		315A	P3	1
34334001	W400-P3/3		34434001	W400-P3/4		400A	P3	1
34346301	W630-P4/3		34446301	W630-P4/4		630A	P4	1
34358001	W800-P5/3		34458001	W800-P5/4		800A	P5	1
34359001	W1000-P5/3		34459001	W1000-P5/4		1000A	P5	1
34359251	W1250-P5/3		34459251	W1250-P5/4		1250A	P5	1



### INTERRUTTORI SEZIONATORI CON PORTAFUSIBILI SWITCH DISCONNECTORS WITH FUSEHOLDERS

tipo tripolare - three poles type			tipo quadripolare - four poles type			I <sub>n</sub> (A)	tipo	fusibili da utilizzare	conf.
codice IW	modello		codice IW	modello					
<i>IW code</i>	<i>model</i>		<i>IW code</i>	<i>model</i>		<i>I<sub>n</sub>(A)</i>	<i>type</i>	<i>fuses to be used</i>	<i>pack.</i>
35310321	W32-F1/3		35410321	W32-F1/4		32A	F1	NH00C	1
35310451	W45-F1/3		35410451	W45-F1/4		45A	F1	NH00C	1
35310631	W63-F1/3		35410631	W63-F1/4		63A	F1	NH00C	1
35310801	W80-F1/3		35410801	W80-F1/4		80A	F1	NH00C	1
35321001	W100-F2/3		35421001	W100-F2/4		100A	F2	NH00	1
35321251	W125-F2/3		35421251	W125-F2/4		125A	F2	NH00	1
35321601	W160-F2/3		35421601	W160-F2/4		160A	F2	NH00	1
35332001	W200-F3/3		35432001	W200-F3/4		200A	F3	NH1	1
35332501	W250-F3/3		35432501	W250-F3/4		250A	F3	NH1	1
35343151	W315-F4/3		35443151	W315-F4/4		315A	F4	NH2	1
35344001	W400-F4/3		35444001	W400-F4/4		400A	F4	NH2	1
35346301	W630-F5/3		35446301	W630-F5/4		630A	F5	NH3*	1
35348001	W800-F5/3		35448001	W800-F5/4		800A	F5	BS88	1

# ACCESSORI PER SEZIONATORI SERIE SILAMAT

## ACCESSORIES FOR DISCONNECTORS SERIES SILAMAT



### MANOVRE BLOCCOPORTA LUCCHETTABILI IP65

IP65 DOOR INTERLOCKED HANDLE

codice IW <i>IW code</i>	modello <i>models</i>	descrizione <i>description</i>	conf <i>pack</i>
3590110	WTK 1/2/S	manovra nera per tipo P1/F1/P2/F2 <i>black handle for type P1/F1/P2/F2</i>	1
3590115	WTK 1/2/R	manovra rossa + mostrina gialla per tipo P1/F1/P2/F2 <i>red handle + yellow front for type P1/F1/P2/F2</i>	1
3590118	WTK 3/4/S	manovra nera per tipo P3/F3/P4/F4 <i>black handle for type P3/F3/P4/F4</i>	1
3590119	WTK 3/4/R	manovra rossa + mostrina gialla per tipo P3/F3/P4/F4 <i>red handle + yellow front for type P3/F3/P4/F4</i>	1
3590128	WTK 5S	manovra nera per tipo P5/F5 <i>black handle for type P5/F5</i>	1
3590129	WTK 5R	manovra rossa + mostrina gialla per tipo P5/F5 <i>red handle + yellow front for type P5/F5</i>	1



### MANOVRE DIRETTE

DIRECT HANDLES

codice IW <i>IW code</i>	modello <i>models</i>	descrizione <i>description</i>	conf <i>pack</i>
3590210	WTD P1	manovra per tipo P1 - handle for P1 type	1
3590215	WTD P2	manovra per tipo P2 - handle for P2 type	1
3590218	WTD P3	manovra per tipo P3 - handle for P3 type	1
3590220	WTD P4	manovra per tipo P4 - handle for P4 type	1
3590225	WTD P5	manovra per tipo P5 - handle for P5 type	1
3590250	WTD F1	manovra per tipo F1 - handle for F1 type	1
3590255	WTD F2	manovra per tipo F2 - handle for F2 type	1
3590258	WTD F3	manovra per tipo F3 - handle for F3 type	1
3590260	WTD F4	manovra per tipo F4 - handle for F4 type	1
3590265	WTD F5	manovra per tipo F5 - handle for F5 type	1

Fornita completa di schermo protezione contatti principali

Supplied with main contacts cover shield



### ALBERI DI COMANDO

SHAFTS

codice IW <i>IW code</i>	modello <i>models</i>	descrizione <i>description</i>	Lunghezza (mm) <i>Lenght (mm)</i>	conf <i>pack</i>
3590305	WET 1/2-2	per tipo P1/F1/P2/F2 - for types P1/F1/P2/F2	200	1
3590303	WET 1/2-3	per tipo P1/F1/P2/F2 - for types P1/F1/P2/F2	300	1
3590304	WET 1/2-4	per tipo P1/F1/P2/F2 - for types P1/F1/P2/F2	400	1
3590325	WET 4/5-2	per tipo P3/F3/P4/F4/P5/F5 - for types P3/F3/P4/F4/P5/F5	200	1
3590323	WET 4/5-3	per tipo P3/F3/P4/F4/P5/F5 - for types P3/F3/P4/F4/P5/F5	300	1
3590324	WET 4/5-4	per tipo P3/F3/P4/F4/P5/F5 - for types P3/F3/P4/F4/P5/F5	400	1



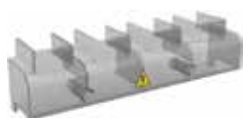
### FUSIBILI TIPO BS88

BS88 FUSES TYPE

codice IW <i>IW code</i>	modello <i>models</i>	descrizione <i>description</i>	conf <i>pack</i>
3590630	WC2 630A	per tipo F5 630A - for type F5 630A	1
3590800	WC3 800A	per tipo F5 800A - for type F5 800A	1

# ACCESSORI PER SEZIONATORI SERIE SILAMAT

## ACCESSORIES FOR DISCONNECTORS SERIES SILAMAT



### CALOTTE DI PROTEZIONE TERMINALI

#### COVERS FOR TERMINALS PROTECTION

codice IW <i>IW code</i>	modello <i>models</i>	descrizione <i>description</i>	conf <i>pack</i>
3590450	WTC1U	per tipo P1/F1 lato linea – <i>for type P1/F1 line side</i>	1
3590455	WTC1L	per tipo P1/F1 lato carico – <i>for type P1/F1 load side</i>	1
3590460	WTC2U	per tipo P2/F2 lato linea – <i>for type P2/F2 line side</i>	1
3590465	WTC2L	per tipo P2/F2 lato carico – <i>for type P2/F2 load side</i>	1
3590470	WTC3U	per tipo P3/F3 lato linea – <i>for type P3/F3 line side</i>	1
3590475	WTC3L	per tipo P3/F3 lato carico – <i>for type P3/F3 load side</i>	1
3590480	WTC4U	per tipo P4/F4 lato linea – <i>for type P4/F4 line side</i>	1
3590485	WTC4L	per tipo P4/F4 lato carico – <i>for type P4/F4 load side</i>	1
3590490	WTC5U	per tipo P5/F5 lato linea – <i>for type P5/F5 line side</i>	1
3590495	WTC5L	per tipo P5/F5 lato carico – <i>for type P5/F5 load side</i>	1



### CALOTTE DI PROTEZIONE FUSIBILI

#### COVERS FOR FUSES PROTECTION

codice IW <i>IW code</i>	modello <i>models</i>	descrizione <i>description</i>	conf <i>pack</i>
3590400	WFC1	per tipo F1 – <i>for type F1</i>	1
3590405	WFC2	per tipo F2 – <i>for type F2</i>	1
3590410	WFC3	per tipo F3 – <i>for type F3</i>	1
3590415	WFC4	per tipo F4 – <i>for type F4</i>	1
3590420	WFC5	per tipo F5 – <i>for type F5</i>	1



### SCHERMO DI PROTEZIONE CONTATTI PRINCIPALI

#### MAIN CONTACTS PROTECTION COVER

codice IW <i>IW code</i>	modello <i>models</i>	descrizione <i>description</i>	conf <i>pack</i>
3590510	WMC1	per tipo P1 – <i>for type P1</i>	1
3590515	WMC2	per tipo P2 – <i>for type P2</i>	1
3590518	WMC3	per tipo P3 – <i>for type P3</i>	1
3590520	WMC4	per tipo P4 – <i>for type P4</i>	1
3590525	WMC5	per tipo P5 – <i>for type P5</i>	1



### CONTATTI AUSILIARI

#### AUXILIARY CONTACTS

codice IW <i>IW code</i>	modello <i>models</i>	descrizione <i>description</i>	conf <i>pack</i>
3590350	WAX 1/2	1NA+1NC per tipo P1/F1/P2/F2 – <i>for type P1/F1/P2/F2</i>	1
3590355	WAX 3/4	1NA+1NC per tipo P3/F3/P4/F4 – <i>for type P3/F3/P4/F4</i>	1
3590360	WAX 5	1NA+1NC per tipo P5/F5 – <i>for type P5/F5</i>	1
3590365	2WAX 1/2	2NA+2NC per tipo P1/F1/P2/F2 – <i>for type P1/F1/P2/F2</i>	1
3590370	2WAX 4	2NA+2NC per tipo P4/F4 – <i>for type P4/F4</i>	1
3590375	2WAX 3/5	2NA+2NC per tipo P3/F3/P5/F5 – <i>for type P3/F3/P5/F5</i>	1

# APPARECCHIATURE PRE ASSEMBLATE IN CASSETTA

## PRE ASSEMBLED EQUIPMENT IN ENCLOSURES

Le cassette che ospitano gli interruttori sezionatori sono realizzate in poliestere caricato con fibre di vetro ed hanno i coperchi in policarbonato trasparenti. Tutte le cassette vengono fornite con le pareti laterali chiuse e facilmente forabili per l'utilizzo di pressacavi.

The enclosures that host the switch disconnectors are made of polyester loaded with fiberglass and have a transparent cover made in polycarbonate. All the enclosures are provided with closed side walls. These walls can be easily drilled in order to use cable glands.



### CASSETTE CON INTERRUTTORI MANOVRA BLOCCO PORTA

#### ENCLOSED SWITCHES WITH DOOR INTERLOCK HANDLE

con manovra bloccoporta nera with black external handle			con manovra bloccoporta giallo/rossa with yellow/red external handle			I <sub>n</sub> (A)	N° poli	conf.
codice IW	tipo	codice IW	tipo	I <sub>n</sub> (A)	N° poles			
<i>IW code</i>	<i>type</i>	<i>IW code</i>	<i>type</i>					
78130320	IP 3x20A	88130320	IP 3x20A GR	20A	3	1		
78140320	IP 4x20A	88140320	IP 4x20A GR					
78130332	IP 3x32A	88130332	IP 3x32A GR	32A	3	1		
78140332	IP 4x32A	88140332	IP 4x32A GR					
78130340	IP 3x40A	88130340	IP 3x40A GR	40A	3	1		
78140340	IP 4x40A	88140340	IP 4x40A GR					
78130363	IP 3x63A	88130363	IP 3x63A GR	63A	3	1		
78140363	IP 4x63A	88140363	IP 4x63A GR					
78130380	IP 3x80A	88130380	IP 3x80A GR	80A	3	1		
78140380	IP 4x80A	88140380	IP 4x80A GR					



### CASSETTE CON INTERRUTTORI SEZIONATORI MANOVRA BLOCCO PORTA

#### ENCLOSURES WITH SWITCH-DISCONNECTORS (WITH DOOR INTERLOCK HANDLE)

con manovra bloccoporta nera with black external handle			con manovra bloccoporta giallo/rossa with yellow/red external handle			I <sub>n</sub> (A)	N° poli	conf.
codice IW	tipo	codice IW	tipo	I <sub>n</sub> (A)	N° poles			
<i>IW code</i>	<i>type</i>	<i>IW code</i>	<i>type</i>					
78130032	I 3x32A	88130032	I 3x32A GR	32A	3	1		
78140032	I 4x32A	88140032	I 4x32A GR					
78130063	I 3x63A	88130063	I 3x63A GR	63A	3	1		
78140063	I 4x63A	88140063	I 4x63A GR					
78131250	I 3x125A	88131250	I 3x125A GR	125A	3	1		
78141250	I 4x125A	88141250	I 4x125A GR					
78131600	I 3x160A	88131600	I 3x160A GR	160A	3	1		
78141600	I 4x160A	88141600	I 4x160A GR					
78132500	I 3x250A	88132500	I 3x250A GR	250A	3	1		
78142500	I 4x250A	88142500	I 4x250A GR					
78134000	I 3x400A	88134000	I 3x400A GR	400A	3	1		
78144000	I 4x400A	88144000	I 4x400A GR					
78136300	I 3x630A	88136300	I 3x630A GR	630A	3	1		
78146300	I 4x630A	88146300	I 4x630A GR					



### CASSETTE CON INTERRUTTORI SEZIONATORI PORTAFUSIBILI MANOVRA BLOCCO PORTA

#### ENCLOSURES WITH SWITCH-DISCONNECTORS FUSES (WITH DOOR INTERLOCK HANDLE)

con manovra bloccoporta nera with black external handle			con manovra bloccoporta giallo/rossa with yellow/red external handle			I <sub>n</sub> (A)	N° poli	Fusibili da utilizzare	conf.
codice IW	tipo	codice IW	tipo	I <sub>n</sub> (A)	N° poles				
<i>IW code</i>	<i>type</i>	<i>IW code</i>	<i>type</i>						
78291250	FS 3x125A	88291250	FS 3x125A GR	125A	3	NH00	1		
78301250	FS 4x125A	88301250	FS 4x125A GR						
78291600	FS 3x160A	88291600	FS 3x160A GR	160A	3	NH00	1		
78301600	FS 4x160A	88301600	FS 4x160A GR						
78292500	FS 3x250A	88292500	FS 3x250A GR	250A	3	NH1	1		
78302500	FS 4x250A	88302500	FS 4x250A GR						
78294000	FS 3x400A	88294000	FS 3x400A GR	400A	3	NH2	1		
78304000	FS 4x400A	88304000	FS 4x400A GR						