



System pro M compact®

Schemi di collegamento, dimensioni di ingombro, marchi e approvazioni

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Clicca sulle voci di questo indice per andare alla pagina corrispondente.

Se vuoi tornare a questo indice, clicca sull'icona  presente su ogni pagina del documento.

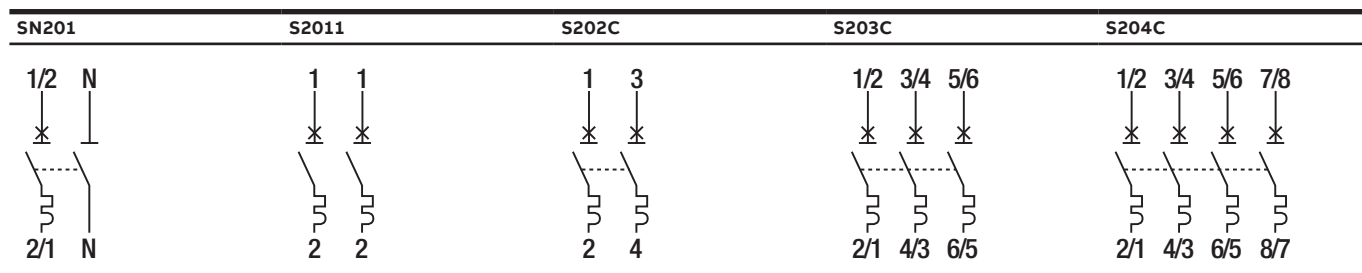
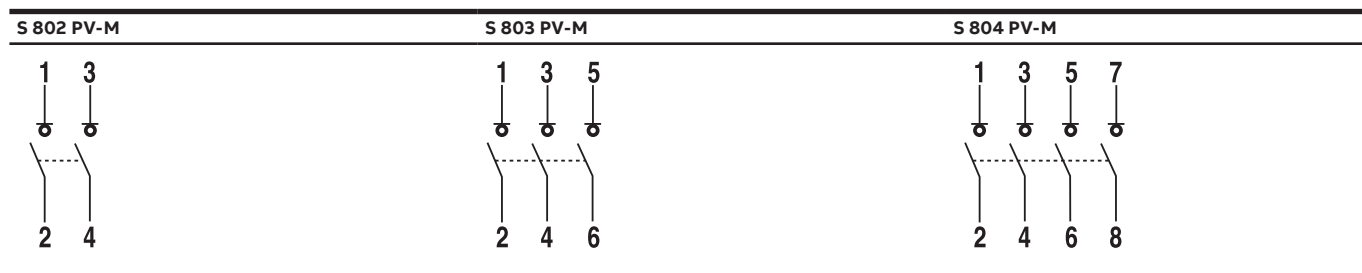
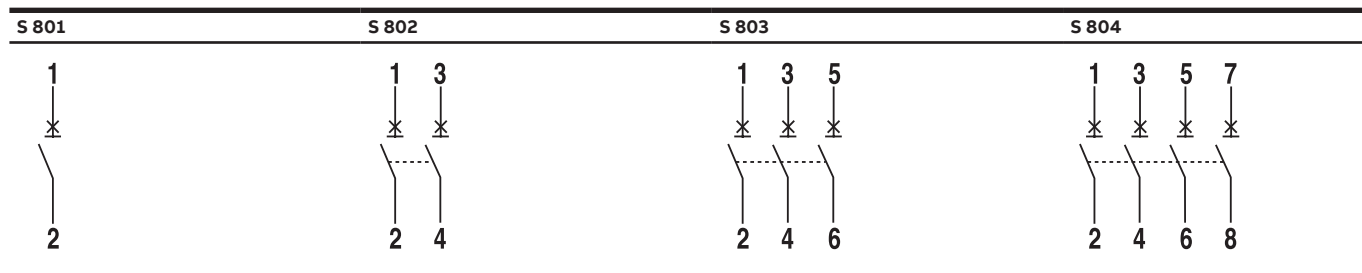
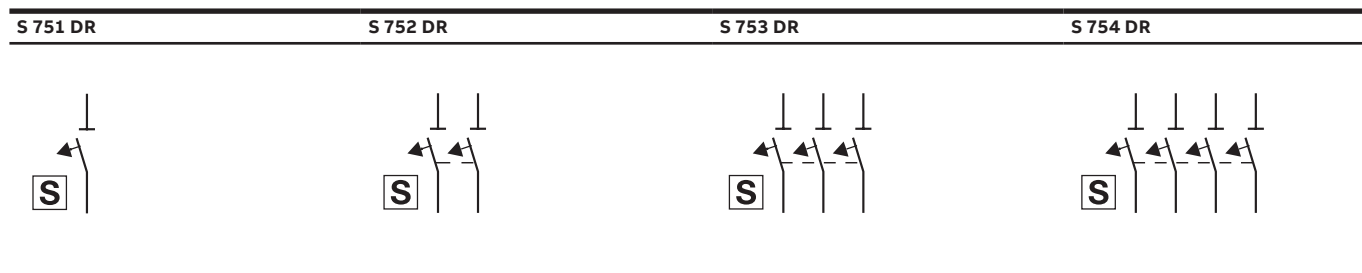
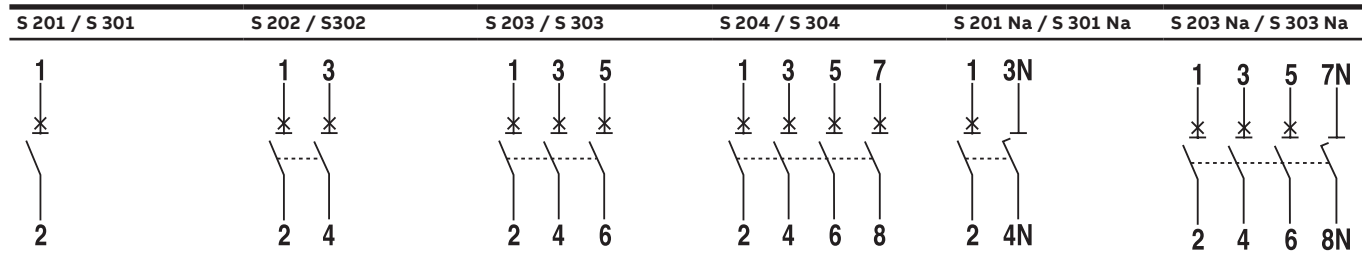
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Schemi di collegamento

Interruttori magnetotermici

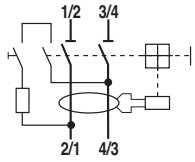
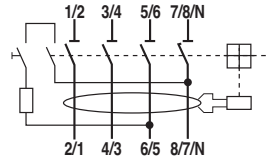
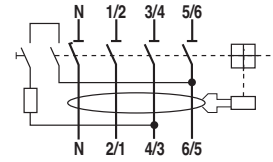
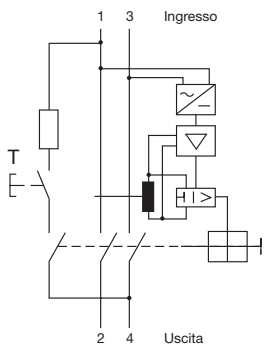
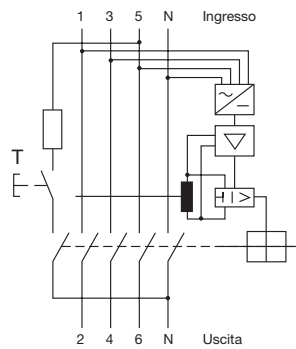
Interruttori magnetotermici



Schemi di collegamento

Interruttori differenziali

Interruttori differenziali puri

F 202**F 204****F 204 neutro a sinistra****F 202 B****F 204 B**

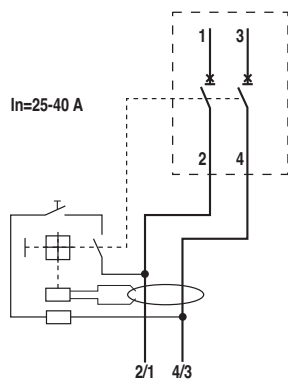


Schemi di collegamento

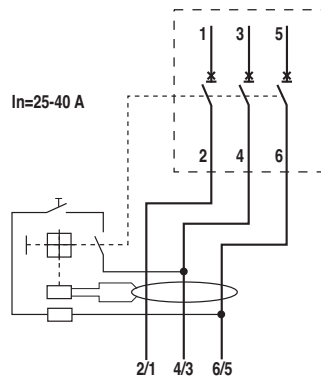
Interruttori differenziali

Blocchi differenziali

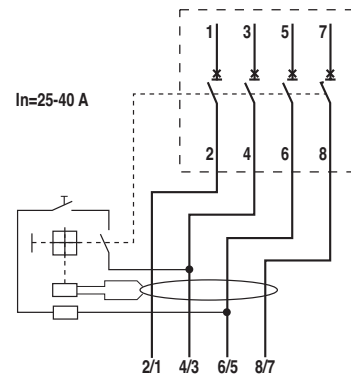
DDA 202



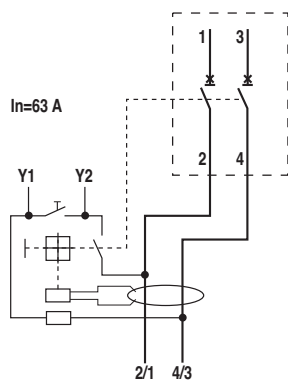
DDA 203



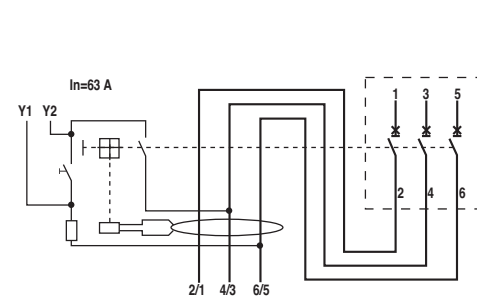
DDA 204



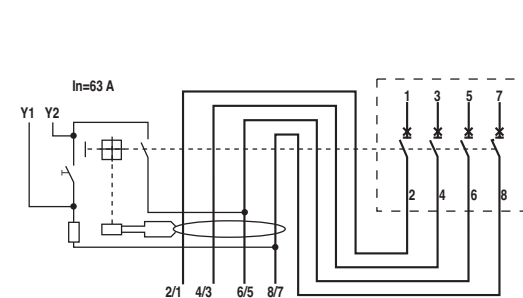
DDA 202



DDA 203



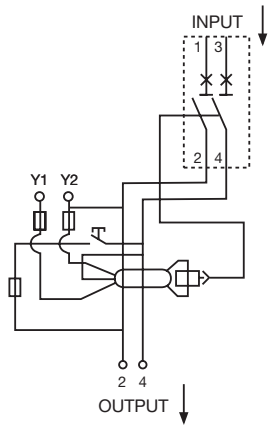
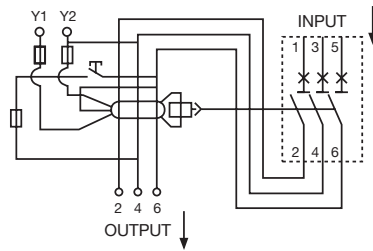
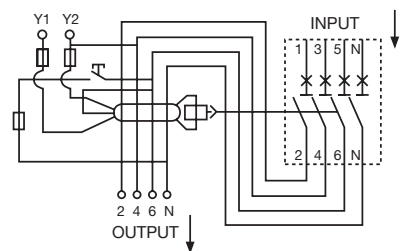
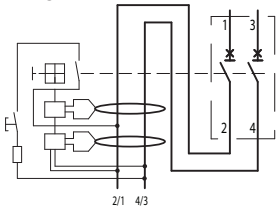
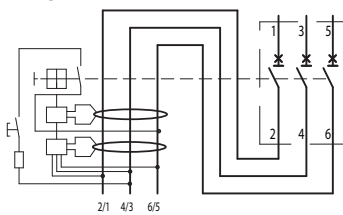
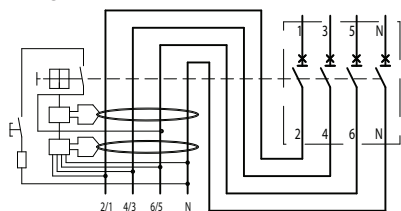
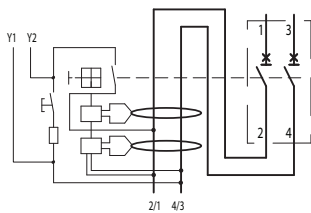
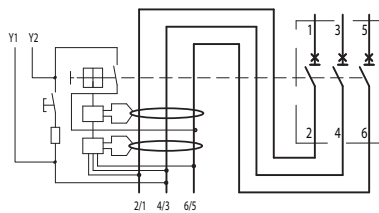
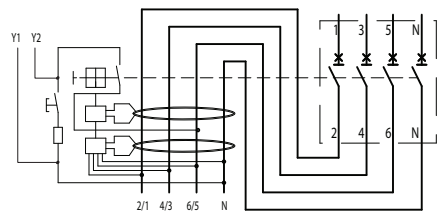
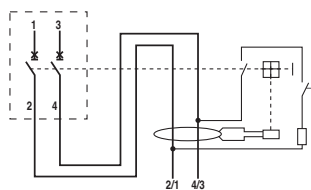
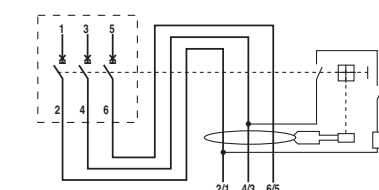
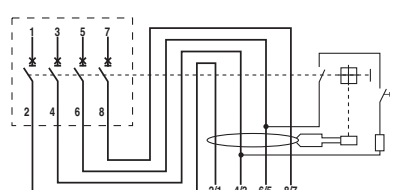
DDA 204



Schemi di collegamento

Interruttori differenziali

Blocchi differenziali

DDA 202 AE**DDA 203 AE****DDA 204 AE****DDA 202 B type****In=25 A****DDA 203 B type****In=25 A****DDA 204 B type****In=25 A****In=40-63 A****In=40-63 A****In=40-63 A****DDA 802****DDA 803****DDA 804**

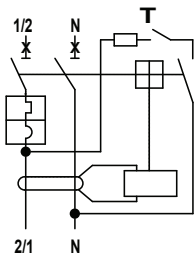


Schemi di collegamento

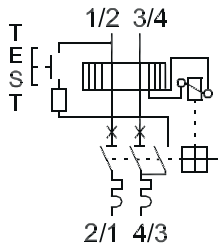
Interruttori differenziali

Interruttori magnetotermici differenziali

DS201 - DS301C

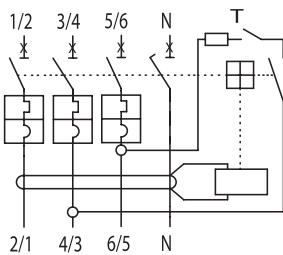


DS202CR

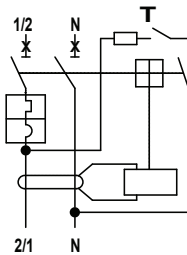


Interruttori magnetotermici differenziali

DS203NC

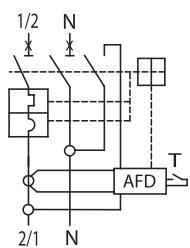


DS301C L

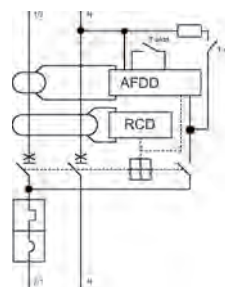


Arc Fault

S-ARC1



DS-ARC1

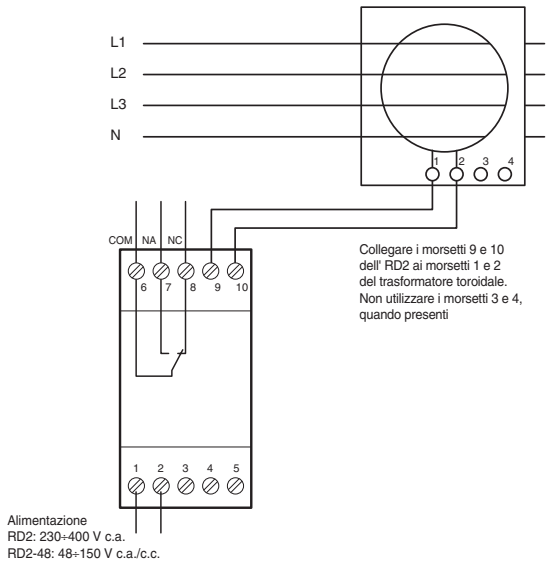


Schemi di collegamento

Relè differenziali

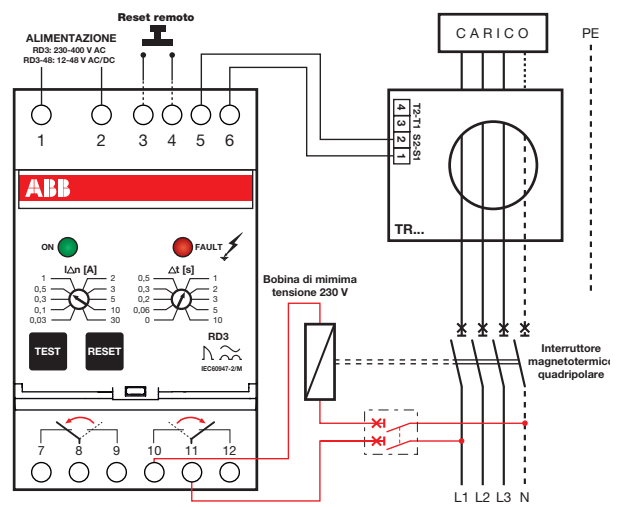
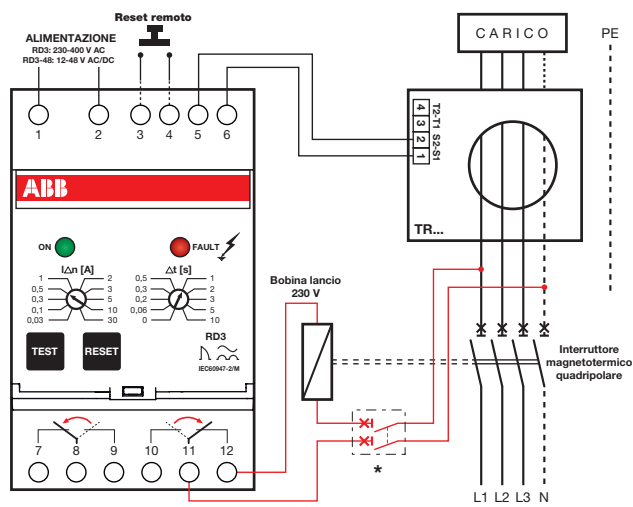
Relè differenziali

RD2



RD3 (con bobina di minima tensione)

RD3 (con bobina di apertura a lancio di corrente)



* La protezione differenziale non è attiva quando questo interruttore è aperto

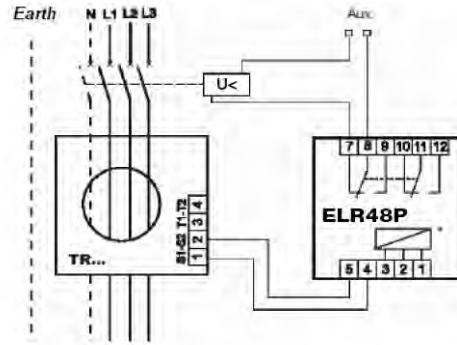
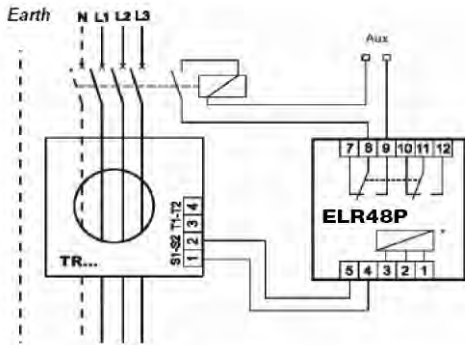


Schemi di collegamento

Relè differenziali

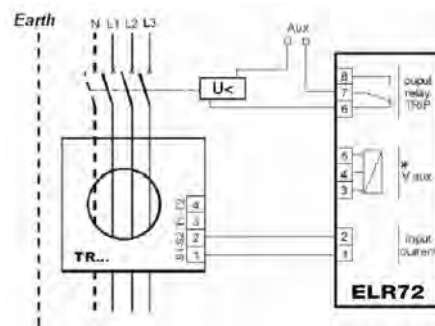
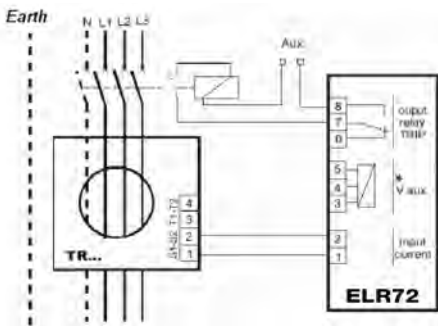
ELR48P - bobina di apertura a lancio di corrente

ELR48P - bobina di minima tensione



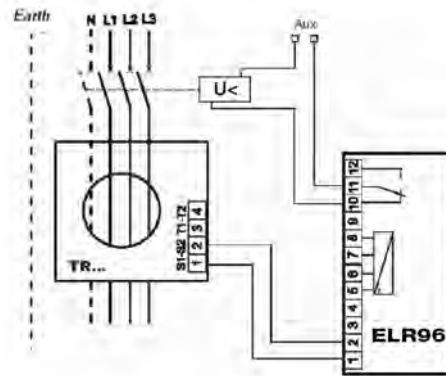
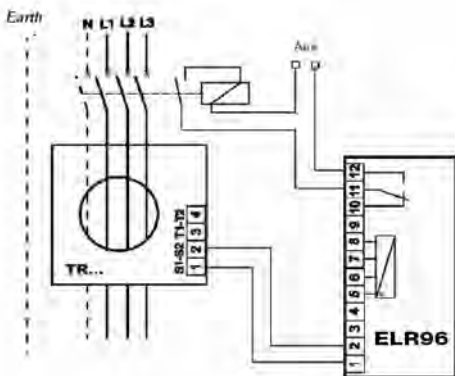
ELR72 - bobina di apertura a lancio di corrente

ELR72 - bobina di minima tensione



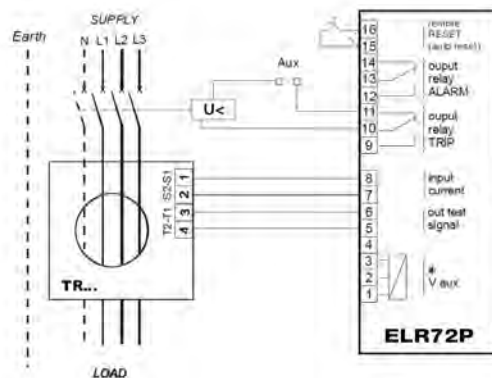
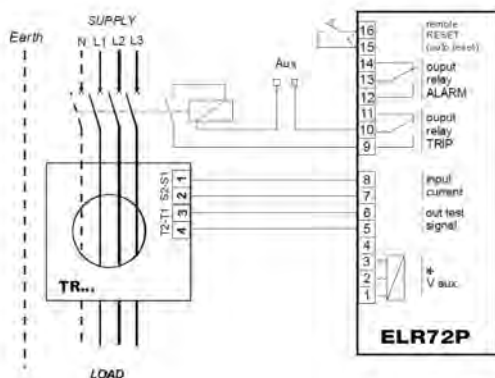
ELR96 - bobina di apertura a lancio di corrente

ELR96 - bobina di minima tensione



ELR72P - bobina di apertura a lancio di corrente

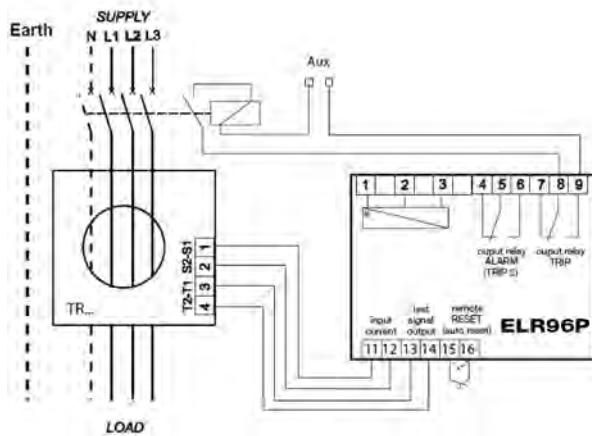
ELR72P - bobina di minima tensione



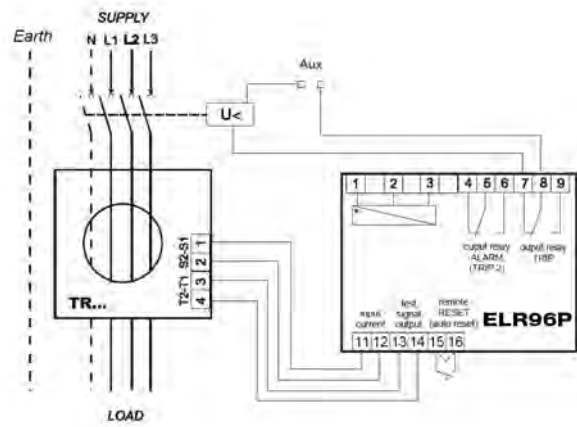
Schemi di collegamento

Relè differenziali

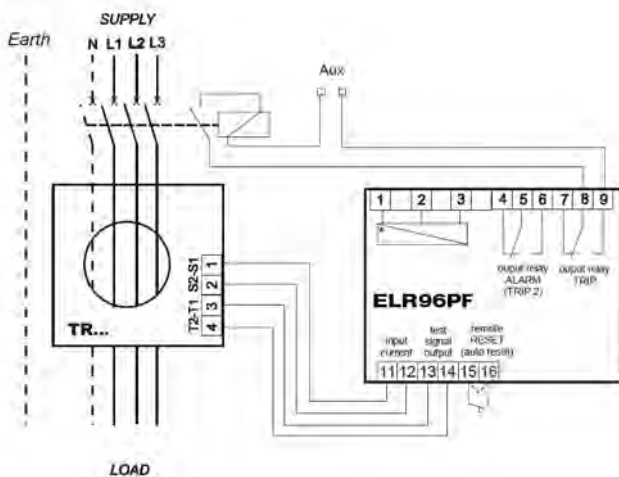
ELR96P - bobina di apertura a lancio di corrente



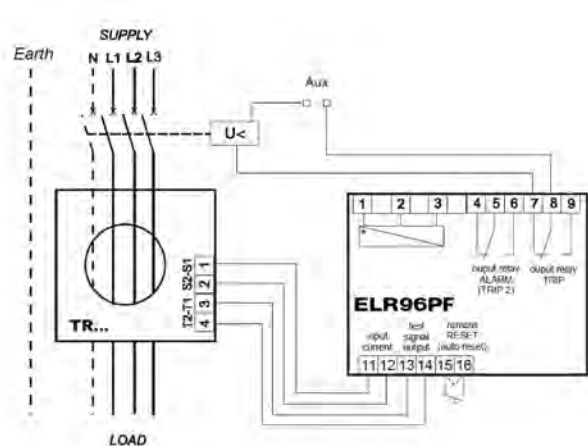
ELR96P - bobina di minima tensione



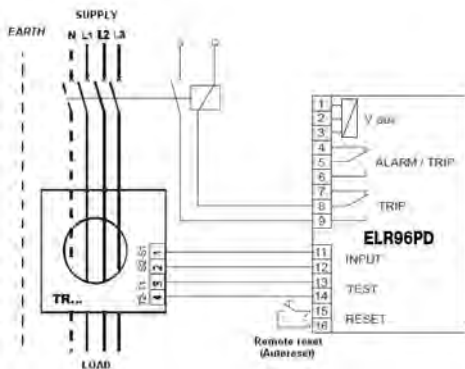
ELR96PF - bobina di apertura a lancio di corrente



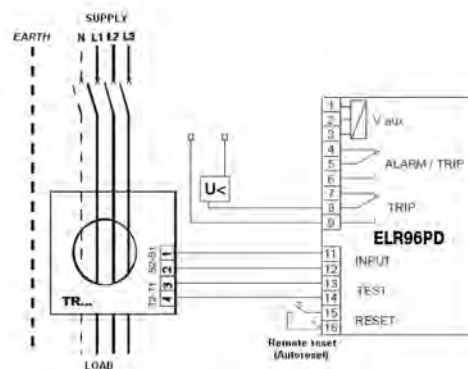
ELR96PF - bobina di minima tensione



ELR96PD - bobina di apertura a lancio di corrente



ELR96PD - bobina di minima tensione





Schemi di collegamento

Elementi ausiliari

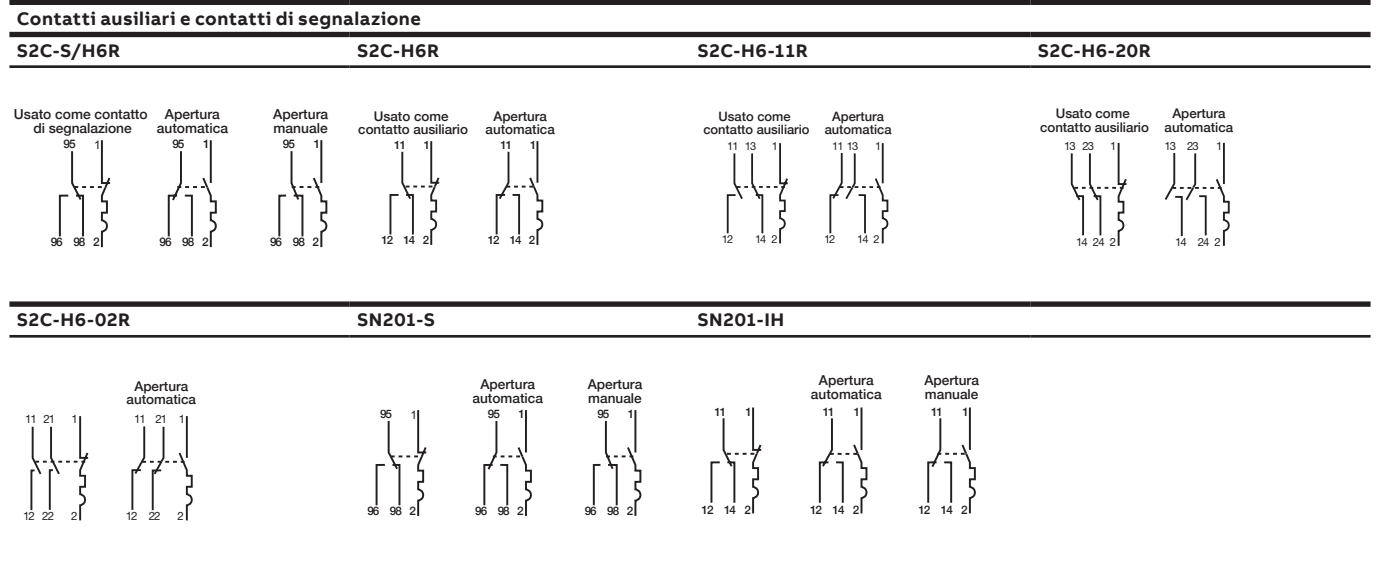


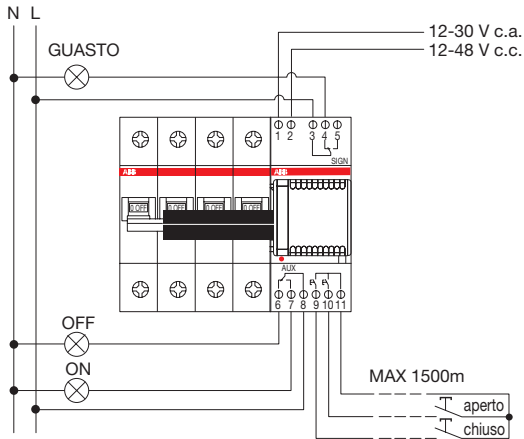
ABB offre una gamma completa di contatti ausiliari, incluso il contatto univesale S2C-S/H6R. I contatti ausiliari indicano la posizione della leva dell'interruttore magnetotermico. I contatti di segnalazione, oltre a indicare la posizione della leva dell'interruttore magnetotermico, segnalano anche il tipo di guasto avvenuto, es. sovraccarico o cortocircuito.

Schemi di collegamento

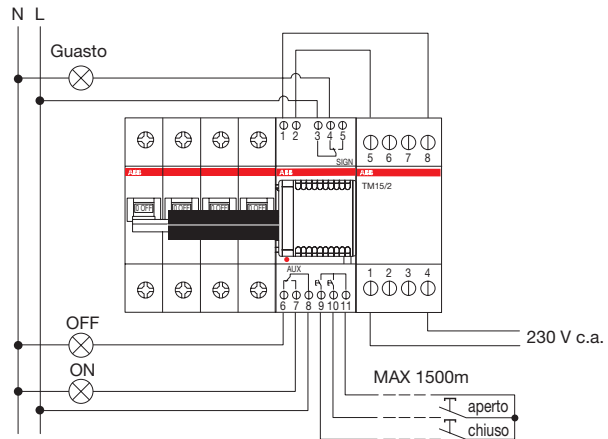
Elementi ausiliari

Comando motorizzato S2C-CM

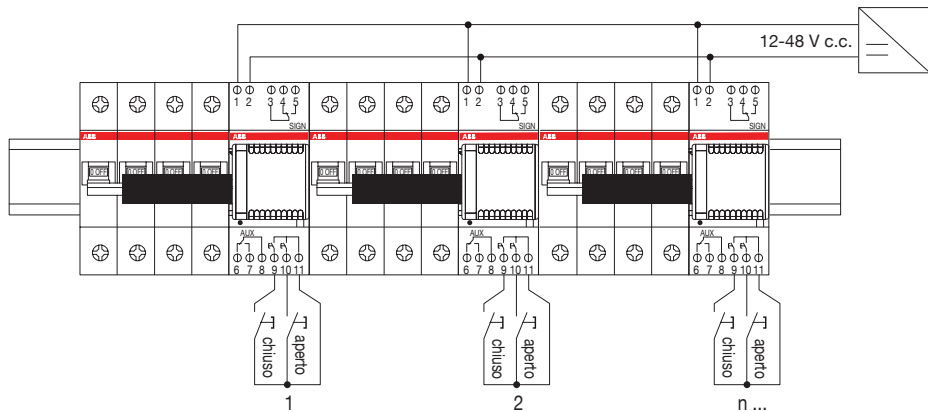
Utilizzo in bassa tensione: 12...30 V c.a., 12...48 V c.c.



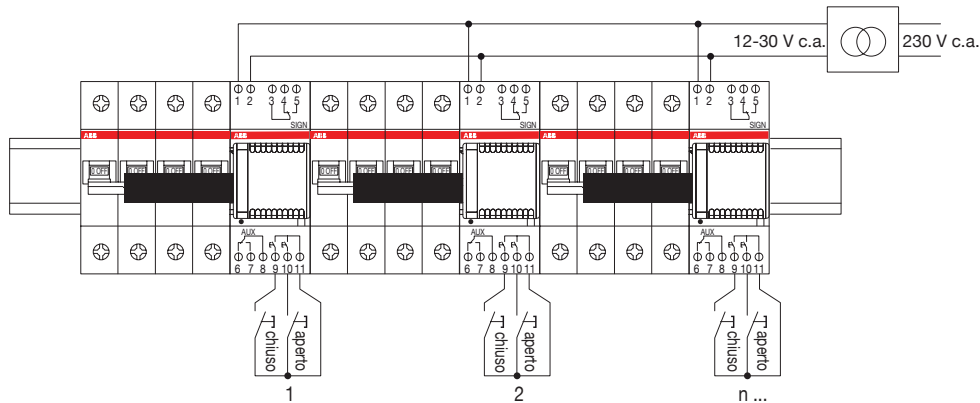
Utilizzo a 230V c.a. tramite un trasformatore per campanelli TM 15/12



Utilizzo di più comandi motorizzati in bassa tensione 12...30 V c.a., 12...48 V c.c.



Utilizzo di più comandi motorizzati a 230 V c.a. mediante un unico trasformatore



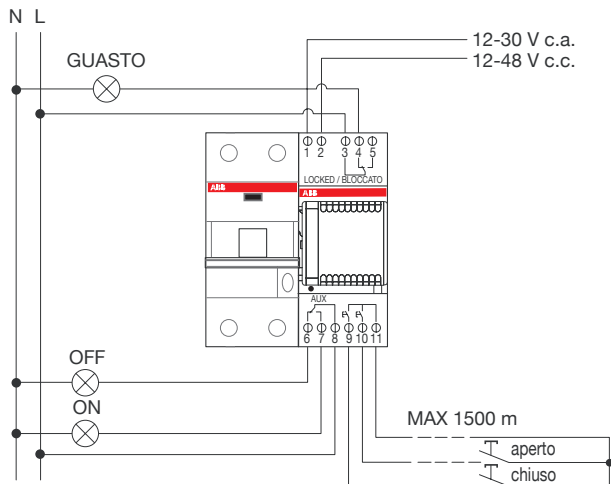


Schemi di collegamento

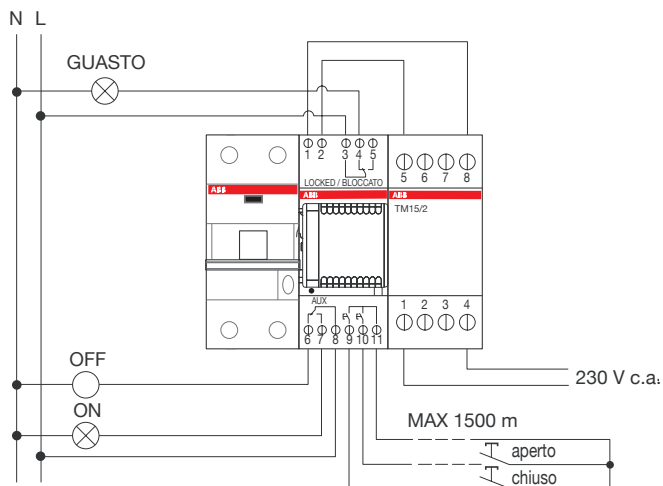
Elementi ausiliari

Comando motorizzato DS2C-CM

Utilizzo in bassa tensione 12...30 V c.a., 12...48 V c.c.



Utilizzo a 230 V c.a. con un trasformatore TN15/12

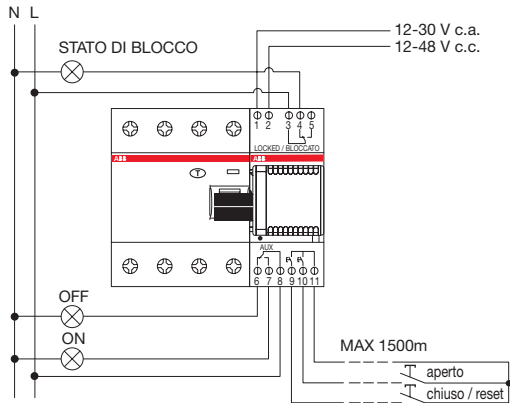


Schemi di collegamento

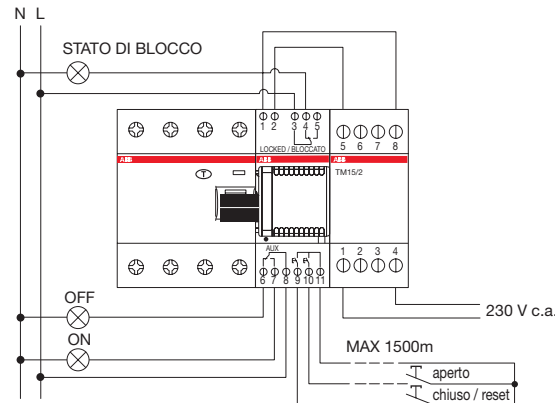
Elementi ausiliari

Comando motorizzato e autorichiedente F2C-CM e F2C-ARI

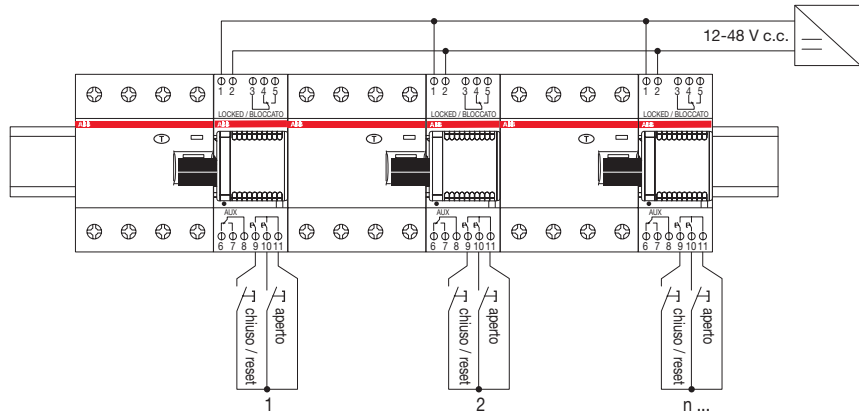
Utilizzo in bassa tensione 12...30 V c.a., 12...48 V c.c.



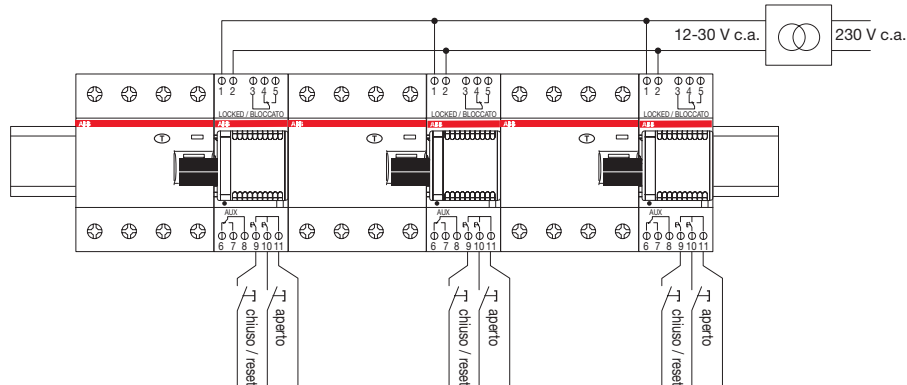
Utilizzo a 230 V c.a. mediante trasformatore (ad esempio TM15/12)



Utilizzo di più dispositivi autorichiedenti in bassa tensione 12...30 V c.a., 12...48 V c.c.



Utilizzo di più dispositivi autorichiedenti a 230 V c.a. mediante un unico trasformatore

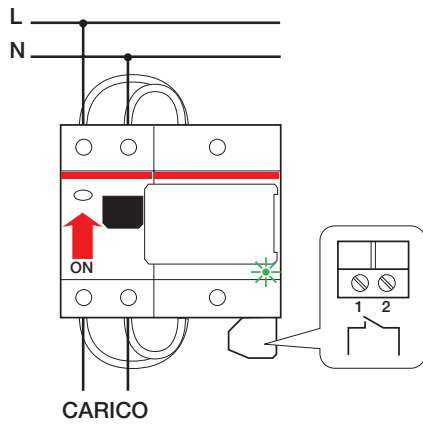




Schemi di collegamento

Elementi ausiliari

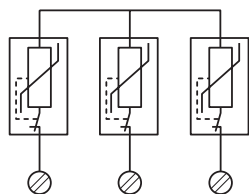
F2C-ARH e F2C-ARH-T



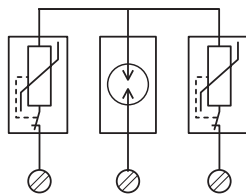
Schemi di collegamento

Apparecchi di protezione e sicurezza

Scaricatori di sovratensioni per impianti fotovoltaici - OVR PV

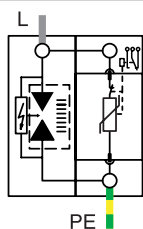


OVR PV T2 40-600 P QS

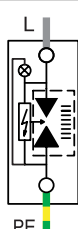


OVR PV T2 40-1000/1500 P QS

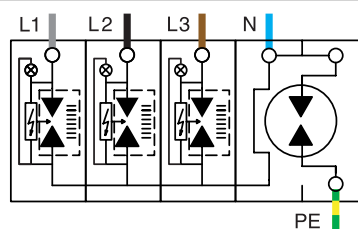
Scaricatori di sovratensioni - Tipo 1+2



OVR T1+2 25 255 TS



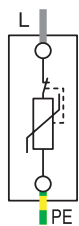
OVR T1+2 15 255-7



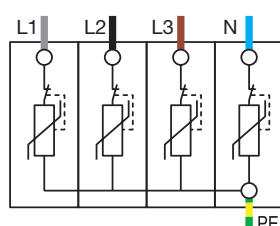
OVR T1+2 3N 15 255-7

Scaricatori di sovratensioni - Tipo 1+2 / Tipo 2

Scaricatori di sovratensioni tipo 2 non estraibili



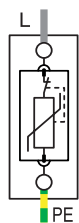
OVR T2 40 275 QS
OVR T2-T3 20 QS



OVR T2 4L 40-275 P QS

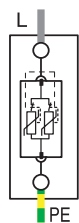
Scaricatori di sovratensioni tipo 1+2 estraibili

Scaricatori di sovratensioni unipolari tipo 2



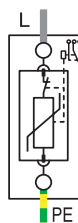
OVR T2-T3 20-275 P QS,
OVR T2 40-275 P QS, OVR
T2-T3 20-440 P QS, OVR
T2 40-275 P QS

Tipo 2 unipolare con riserva di funzionamento (s)



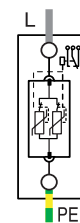
OVR T2 40-275s P QS,
OVR T2 80 275s P QS,
OVR T2 40-440s P QS,
OVR T2 80-440s P QS,
OVR T1+2 7 275s P

Tipo 2 unipolare con contatto di segnalazione remota (TS)



OVR T2-T3 20-275 P TS QS,
OVR T2 40-275 P TS QS,
OVR T2-T3 20-440 P TS QS,
OVR T2 40-440 P TS QS

Tipo 2 unipolare con riserva di funzionamento (s) e contatto di segnalazione remota (TS)



OVR T2 40-275s P TS QS,
OVR T2 80-275s P QS,
OVR T2 40-440s P TS QS,
OVR T2 80-440s P TS QS

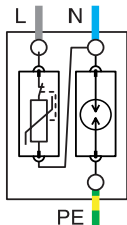


Schemi di collegamento

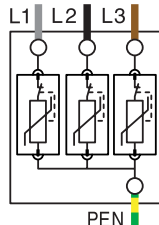
Apparecchi di protezione e sicurezza

Scaricatori di sovratensioni - Tipo 1+2 / Tipo 2

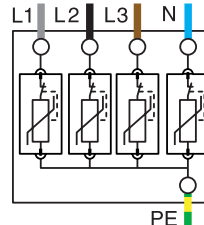
Tipo 2 multipolare



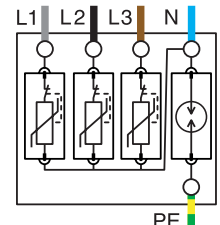
OVR T2-T3 1N 20-275 P QS,
OVR T2 1N 40-275 P QS



OVR T2-T3 3L 20-275 P QS,
OVR T2 3L 40-275 P QS

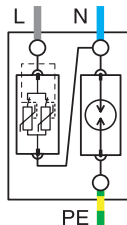


OVR T2-T3 4L 20-275 P QS, OVR
T2 4L 40-275 P QS

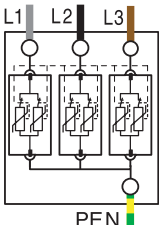


OVR T2-T3 3N 20-275 P QS,
OVR T2 3N 40-275 P QS

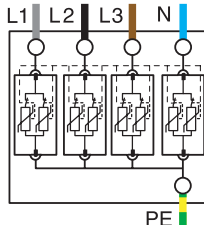
Tipo 2 multipolare con riserva di funzionamento (s)



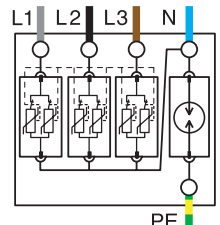
OVR T2 1N 40-275s P QS,
OVR T2 1N 80-275s P QS,
OVR T1+2 1N 7 275s P



OVR T2 3L 40-275s P QS,
OVR T2 3L 80-275s P QS,
OVR T1+2 3L 7 275s P

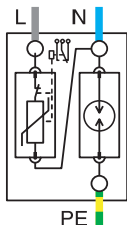


OVR T2 4L 40-275s P QS,
OVR T2 4L 80-275s P QS,
OVR T1+2 4L 7 275s P

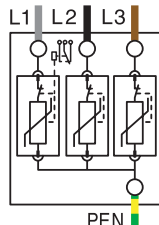


OVR T2 3N 40-275s P QS,
OVR T2 3N 80-275s P QS,
OVR T1+2 3N 7 275s P

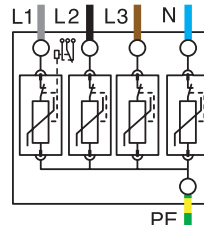
Tipo 2 multipolare con contatto di segnalazione remota (TS)



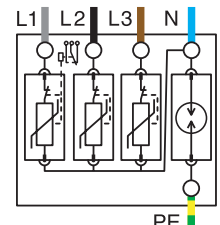
OVR T2-T3 1N 20-275 P TS QS,
OVR T2 1N 40-275 P TS QS



OVR T2-T3 3L 20-275 P TS QS,
OVR T2 3L 40-275 P TS QS

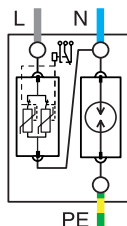


OVR T2-T3 4L 20-275 P TS QS,
OVR T2 4L 40-275 P TS QS

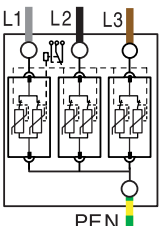


OVR T2-T3 3N 20-275 P TS QS,
OVR T2 3N 40-275 P TS QS

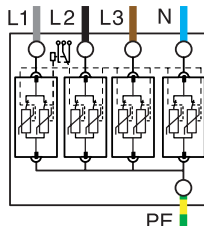
Tipo 2 multipolare con riserva di funzionamento (s) e contatto di segnalazione remota (TS)



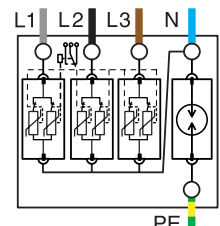
OVR T2 1N 40-275s P TS QS,
OVR T2 1N 80-275s P TS QS



OVR T2 3L 40-275s P TS QS,
OVR T2 3L 80-275s P TS QS

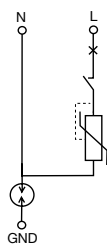


OVR T2 4L 40-275s P TS QS,
OVR T2 4L 80-275s P TS QS

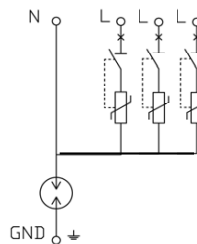


OVR T2 3N 40-275s P TS QS,
OVR T2 3N 80-275s P TS QS

Tipo 2 Autoprotetti

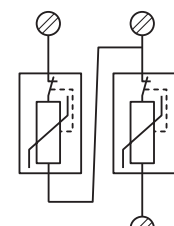


OVR Plus N1 20



OVR Plus N3 20

Tipo 2 Speciale 24/48 c.a. e c.c. - OVR 75 V

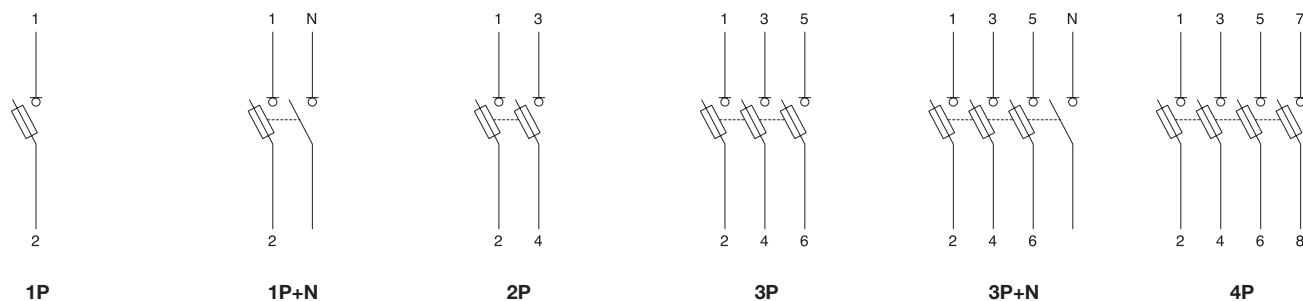


OVR T2 2L 20-75 P

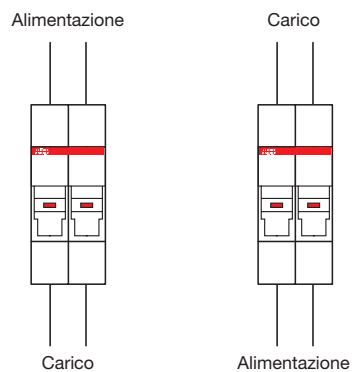
Schemi di collegamento

Apparecchi di protezione e sicurezza

E90

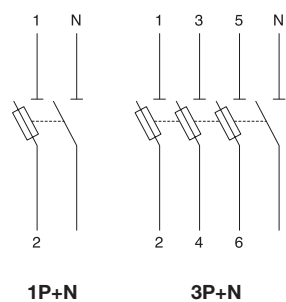


Cablaggio in corrente alternata E 90 delle versioni con spia di segnalazione

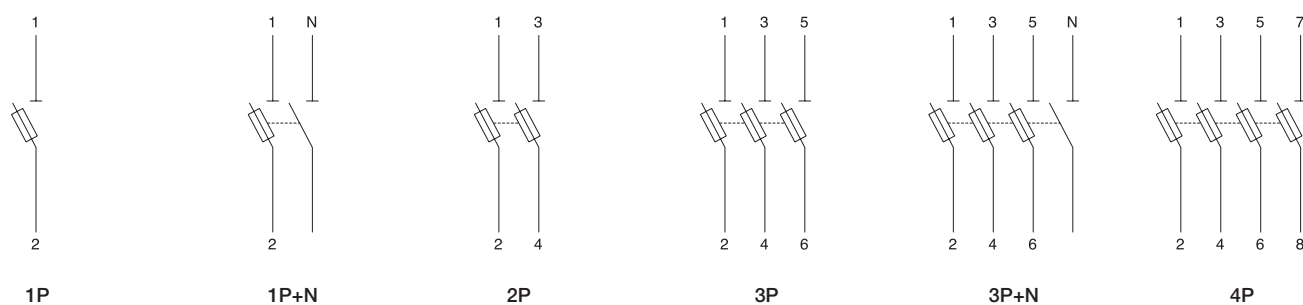


Per sistemi in corrente continua fare riferimento allo schema di collegamento dei sezionatori E 90 PV

E90h



E90 e E90/30 CC



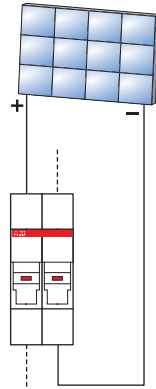
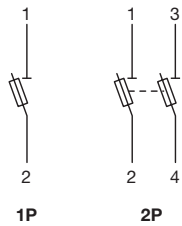


Schemi di collegamento

Apparecchi di protezione e sicurezza

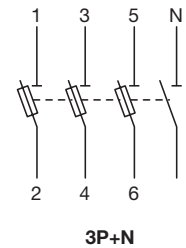
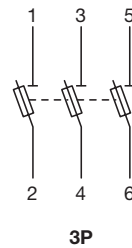
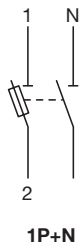
E90 PV

Cablaggio in corrente continua E 90 PV delle versioni con spia di segnalazione

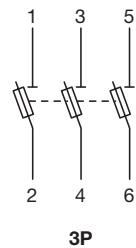


In corrente continua, poiché il LED consente il passaggio della corrente da positivo a negativo, il cablaggio deve seguire il verso della corrente indicato nello schema.

E90 50/125



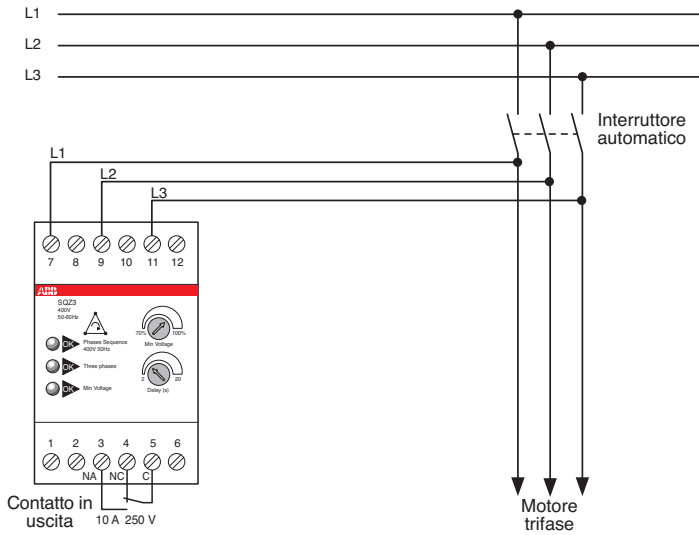
E90 30/60 J



Schemi di collegamento

Apparecchi di protezione e sicurezza

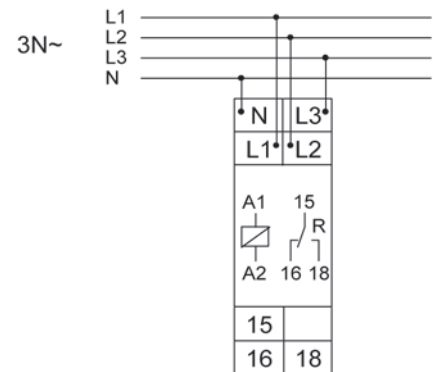
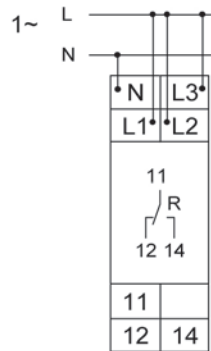
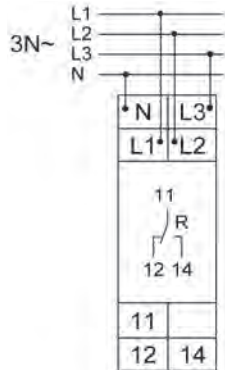
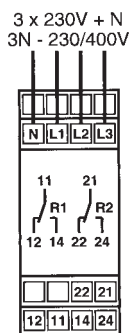
SQZ3



E 236 US 1, E 236 US 2

E236-US 1.1 e US 2.1

E236-US 1.1D

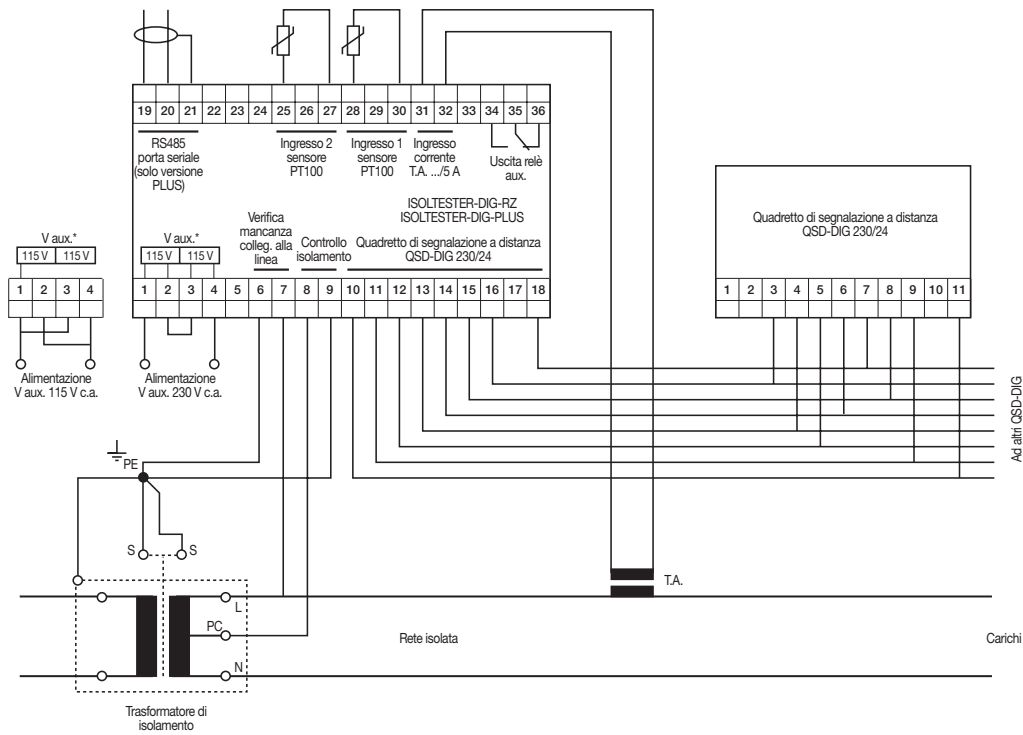




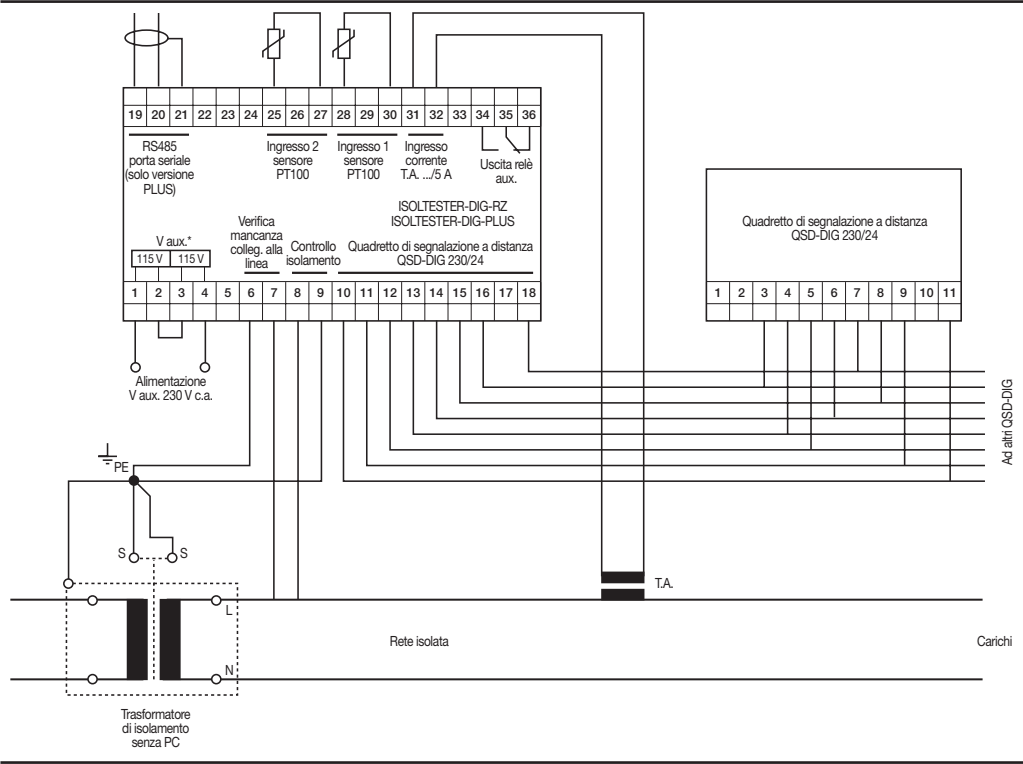
Schemi di collegamento

Apparecchi di protezione e sicurezza

ISOLTESTER-DIG, QSD-DIG e SELVTESTER-24 - Schema di collegamento con trasformatore con presa centrale (PC)



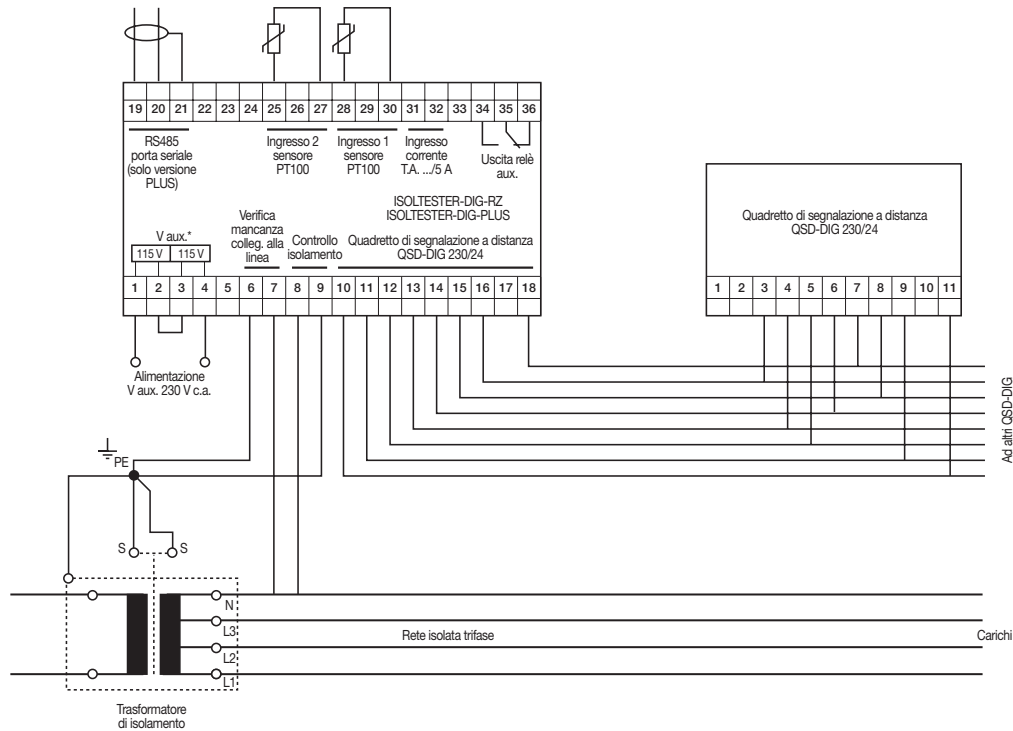
ISOLTESTER-DIG, QSD-DIG e SELVTESTER-24 - Schema di collegamento con trasformatore senza presa centrale



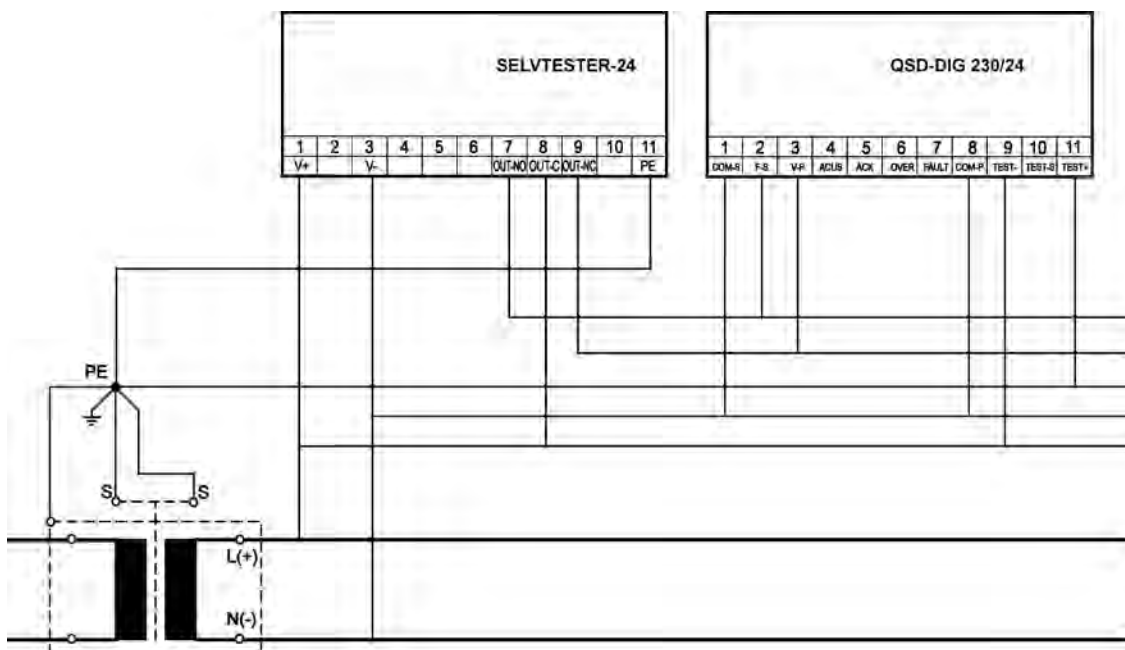
Schemi di collegamento

Apparecchi di protezione e sicurezza

ISOLTESTER-DIG, QSD-DIG e SELVTESTER-24 - Schema di collegamento con trasformatore trifase con neutro



ISOLTESTER-DIG, QSD-DIG e SELVTESTER-24 -

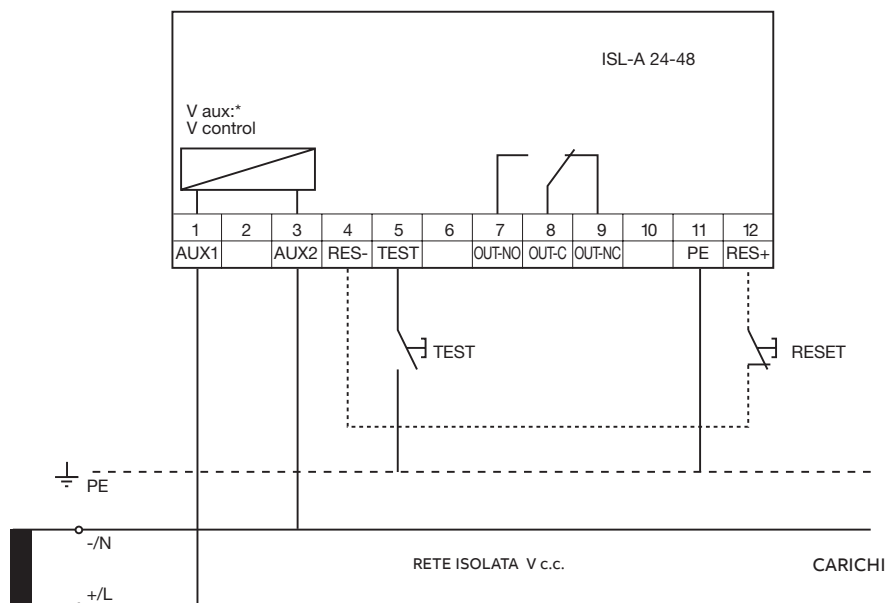




Schemi di collegamento

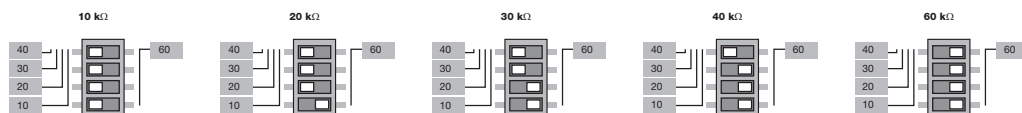
Apparecchi di protezione e sicurezza

ISL-A 24-48



IMPOSTAZIONE MICROINTERRUTTORI

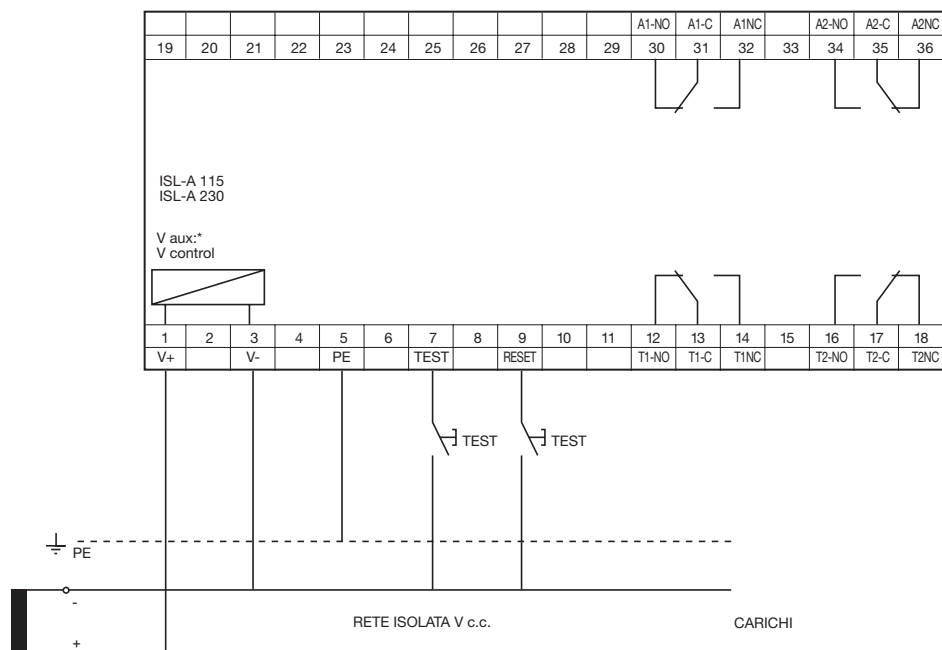
I microinterruttori frontali permettono le impostazioni della soglia di intervento livello isolamento tra 10 e 60 kW, come di seguito riportato:



Schemi di collegamento

Apparecchi di protezione e sicurezza

ISL-A 115 and ISL-A 230



IMPOSTAZIONE MICROINTERRUTTORI

I microinterruttori frontali permettono le impostazioni della soglia di intervento livello isolamento, l'inserimento della funzione fail-safe e della modalità di reset sia per la soglia di allarme che quella di trip.

Microinterruttori A, B, C, D per impostazione soglie di intervento:

ALLARME		TRIP	
300 kΩ:	A=0, B=0, C=0, D=0	100 kΩ:	A=0, B=0, C=0, D=0
150 kΩ:	A=1, B=0, C=0, D=0	60 kΩ:	A=1, B=0, C=0, D=0
80 kΩ:	A=1, B=1, C=0, D=0	40 kΩ:	A=1, B=1, C=0, D=0
50 kΩ:	A=1, B=1, C=1, D=0	20 kΩ:	A=1, B=1, C=1, D=0
30 kΩ:	A=1, B=1, C=1, D=1	10 kΩ:	A=1, B=1, C=1, D=1

Microinterruttore E per impostazione modalità FAIL SAFE

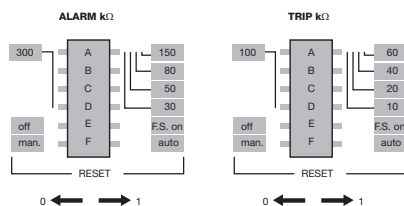
E=0 funzione fail safe disattivata

E=1 funzione fail safe attivata

Microinterruttore F per impostazione modalità di RESET

F=0 reset manuale

F=1 reset automatico

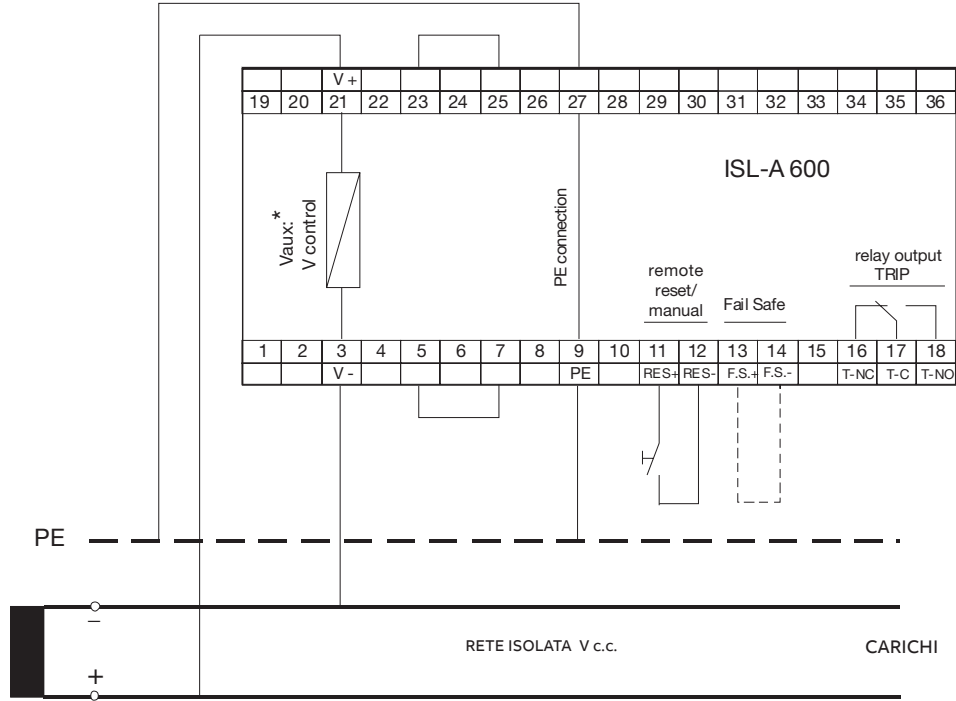




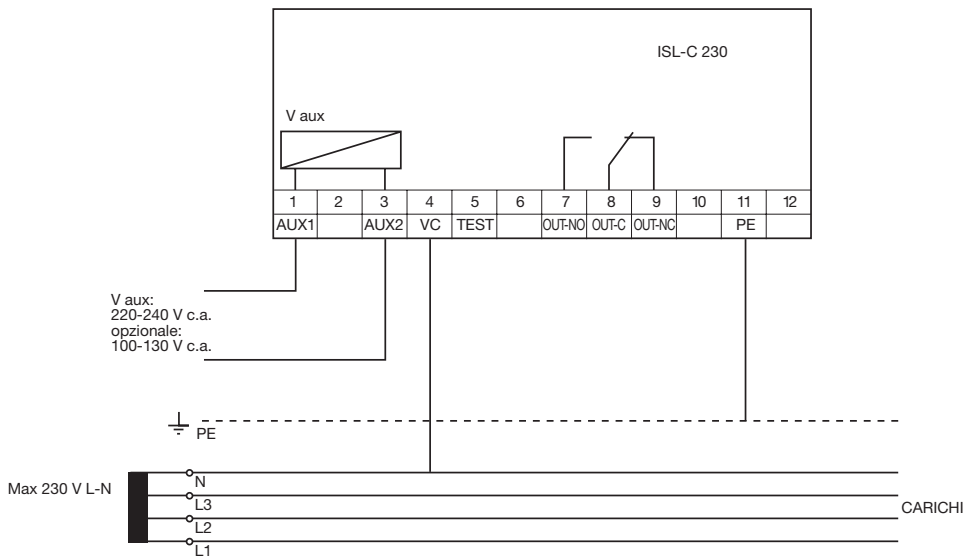
Schemi di collegamento

Apparecchi di protezione e sicurezza

ISL-A 600



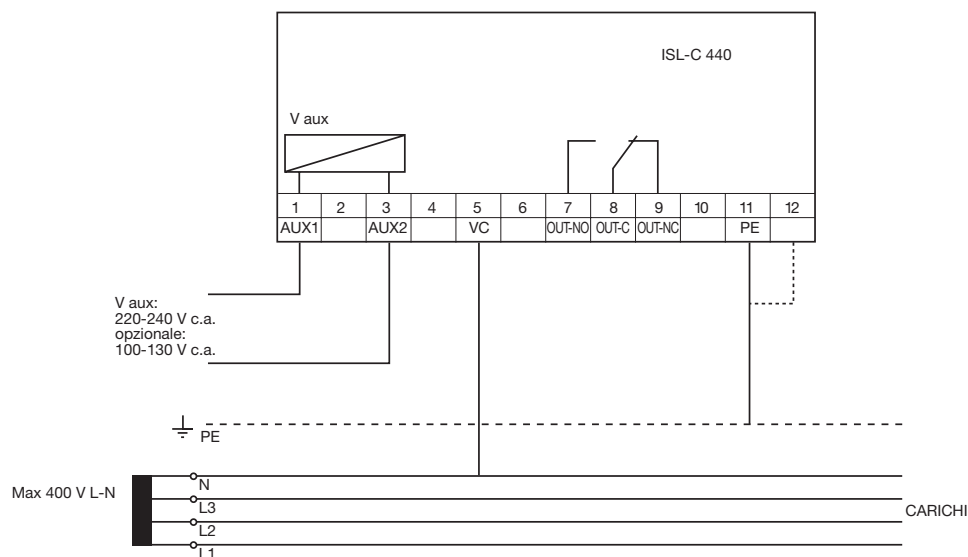
ISL-C 230



Schemi di collegamento

Apparecchi di protezione e sicurezza

ISL-C 440



IMPOSTAZIONE MICROINTERRUTTORI

I microinterruttori frontali permettono le impostazioni della soglia di intervento livello isolamento tra 10 e 150 k Ω , come di seguito riportato:

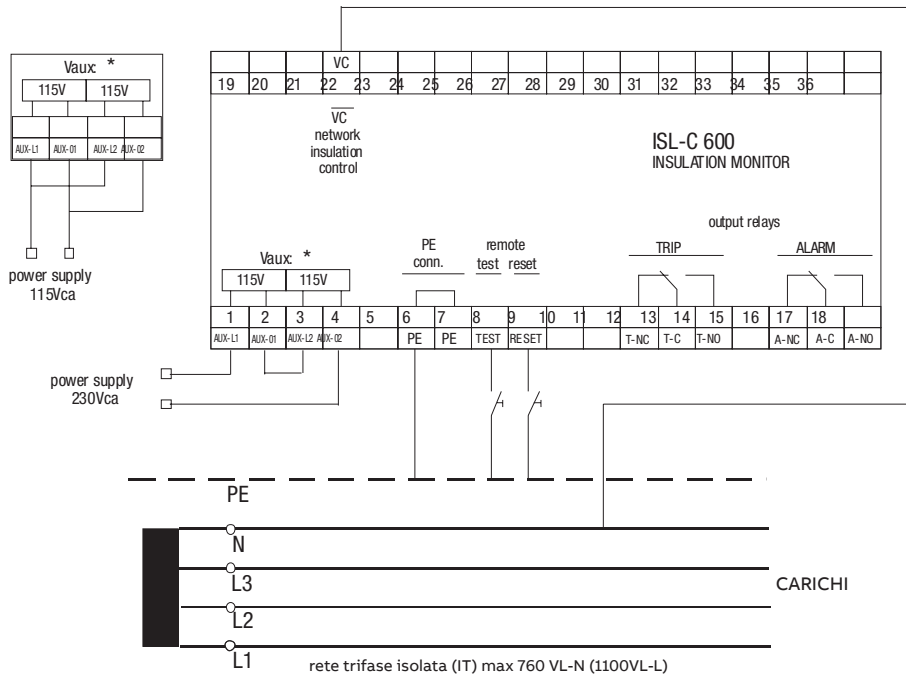




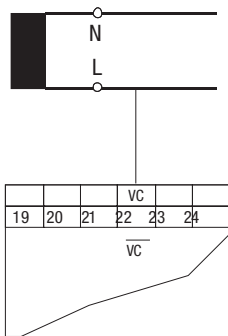
Schemi di collegamento

Apparecchi di protezione e sicurezza

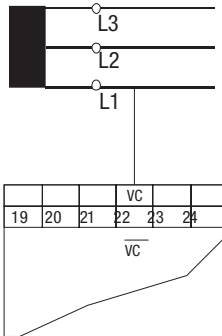
ISL-C 600



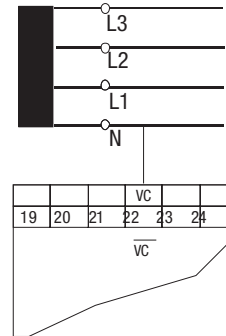
Max 760V L-N



Rete trifase senza neutro
Max 760V L-L



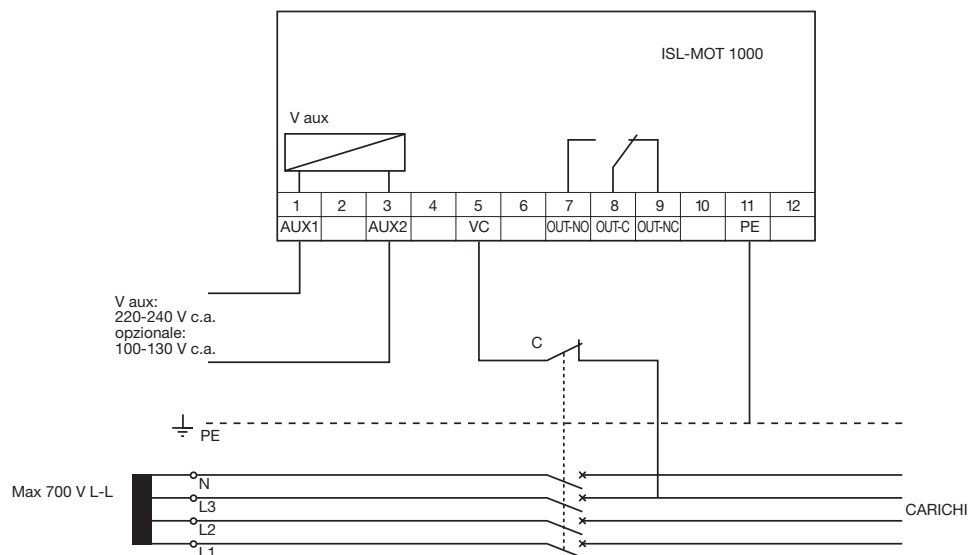
Rete trifase con neutro
Max 1100V L-L



Schemi di collegamento

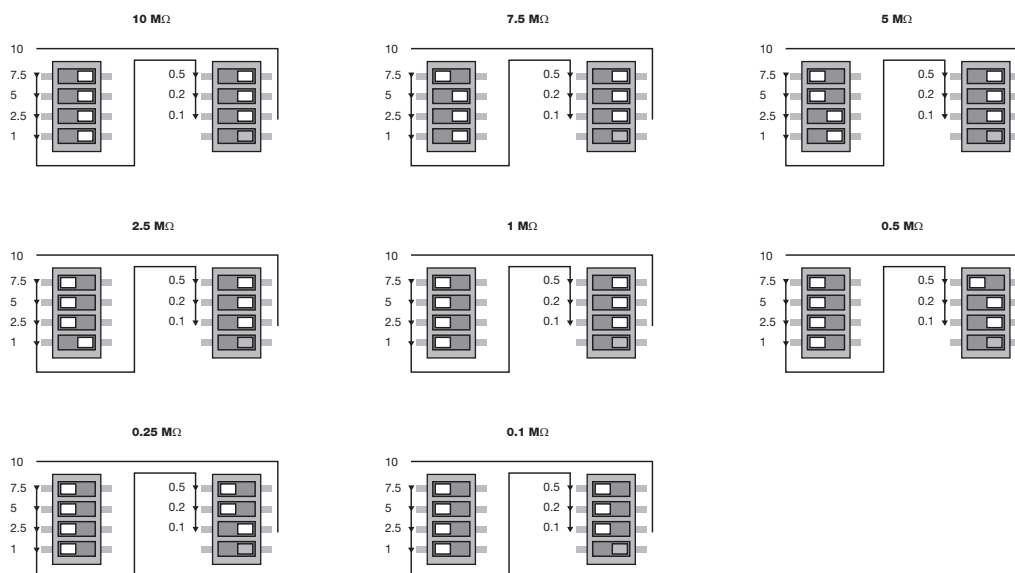
Apparecchi di protezione e sicurezza

ISL-MOT 1000



IMPOSTAZIONE MICROINTERRUTTORI

I microinterruttori frontali permettono le impostazioni della soglia di intervento livello isolamento tra 0,1 e 10 M Ω . I microinterruttori utilizzati sono 7 suddivisi in due blocchi, come di seguito riportato:

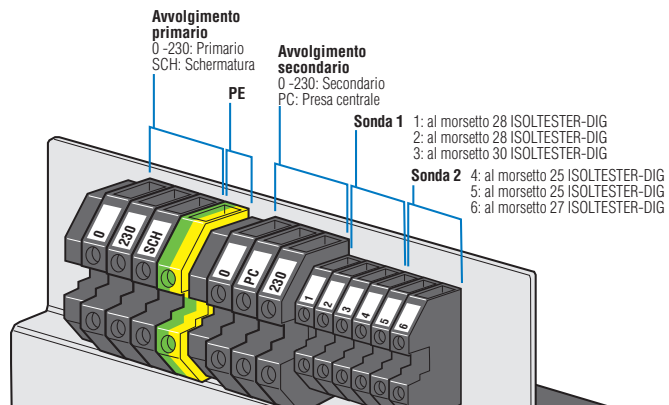




Schemi di collegamento

Apparecchi di protezione e sicurezza

TI



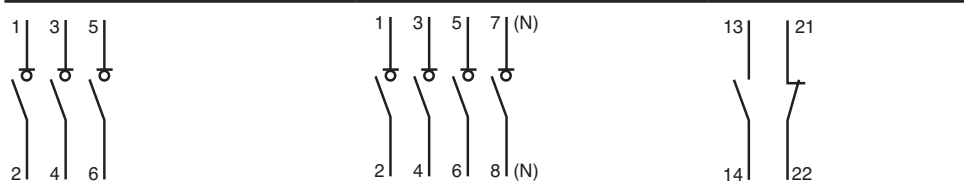
Schemi di collegamento

Apparecchi di comando e segnalazione

E200/SD 200



OTM



OT...M3, 3 poli

OT...M4, 4 poli

Contatti ausiliari, 1NC+1NA

E210

Interruttore ON/OFF



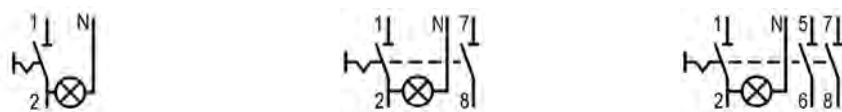
E211

E212

E213

E214

Interruttori con spie di segnalazione incorporato



E211X

E212X

E213X

Deviatori



E213-__-001

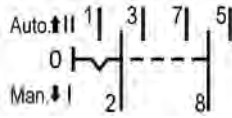
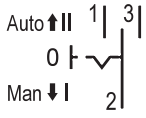
E213-__-002



Schemi di collegamento

Apparecchi di comando e segnalazione

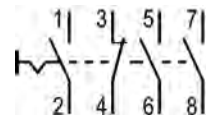
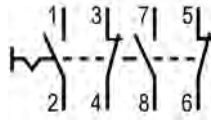
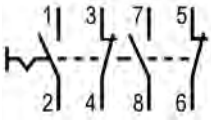
E210 commutatori



E214-__-101

E214-__-202

E210 interruttori di controllo



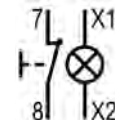
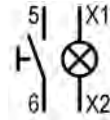
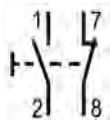
E218-__-11

E218-__-22

E218-__-33

E210 pulsanti

E210 pulsanti luminosi

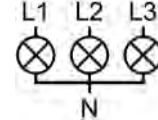
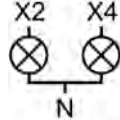


E215-16-11_

E217-16-10_

E217-16-01_

E210 spie luminose



E219-__

E219-2_

E219-3_

ESB EN

Contatti

EH 04-20

EH 04-11

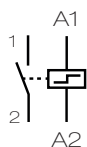


Schemi di collegamento

Apparecchi di comando e segnalazione

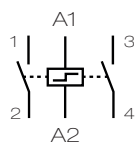
E 297

E297-16-10



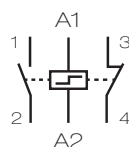
E297-16-10/8
E297-16-10/12
E297-16-10/24
E297-16-10/48
E297-16-10/115
E297-16-10/230

E297-16-20



E297-16-20/8
E297-16-20/12
E297-16-20/24
E297-16-20/48
E297-16-20/115
E297-16-20/230

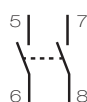
E297-16-11



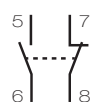
E297-16-11/8
E297-16-11/12
E297-16-11/24
E297-16-11/48
E297-16-11/115
E297-16-11/230

Componenti ausiliari ed accessori per E 297

E298-16-20



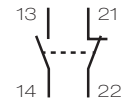
E298-16-11



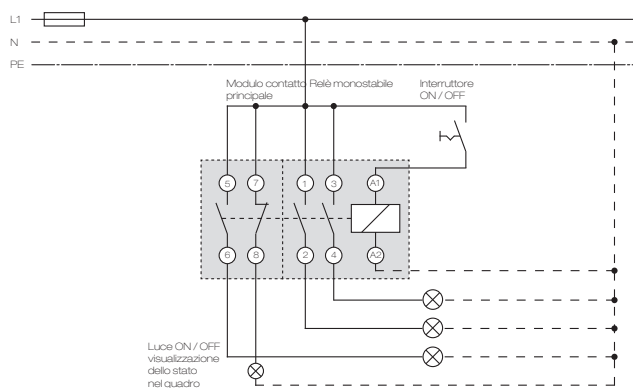
E298-16-001



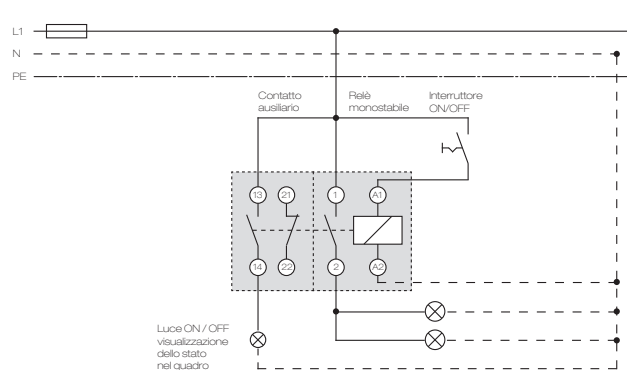
E299-11



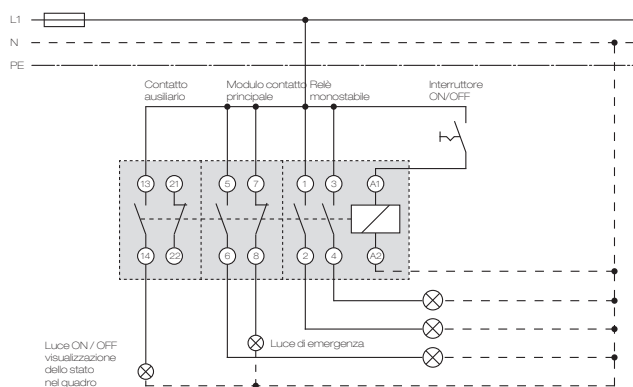
E297-16-20 + E298-16-11



E297-16-10 + 299-11



E297-16-20 + E298-16-11 + 299-11





Schemi di collegamento

Apparecchi di comando e segnalazione

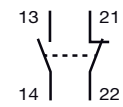
E 290

E290-16-10		E290-16-20		E290-16-11		E290-16-11	
E290-16-10/8	E290-32-10/8	E290-16-20/8	E290-32-20/8	E290-16-11/8	E290-32-11/8	E291S-16-20/8	
E290-16-10/12	E290-32-10/12	E290-16-20/12	E290-32-20/12	E290-16-11/12	E290-32-11/12	E291S-16-20/12	
E290-16-10/24	E290-32-10/24	E290-16-20/24	E290-32-20/24	E290-16-11/24	E290-32-11/24	E291S-16-20/24	
E290-16-10/48	E290-32-10/48	E290-16-20/48	E290-32-20/48	E290-16-11/48	E290-32-11/48	E291S-16-20/24	
E290-16-10/115	E290-32-10/115	E290-16-20/115	E290-32-20/115	E290-16-11/115	E290-32-11/115	E291S-16-20/230	
E290-16-10/230	E290-32-10/230	E290-16-20/230	E290-32-20/230	E290-16-11/230	E290-32-11/230		

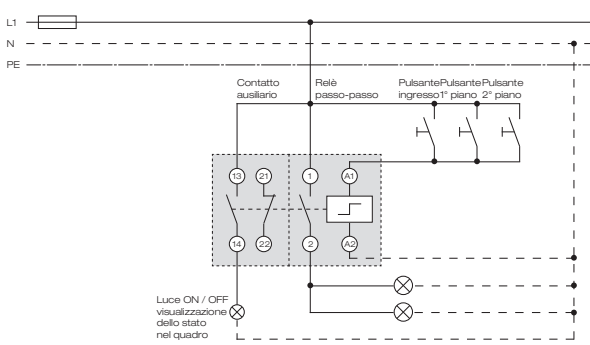
Componenti ausiliari ed accessori per E 290

E292-16-20		E292-16-11		E292-16-001		E293/X	
E294/24, E294/230		E295-PS		E295-GM		E296-CP	

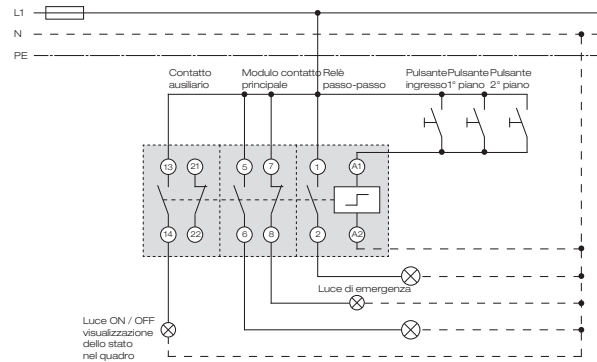
E299-11



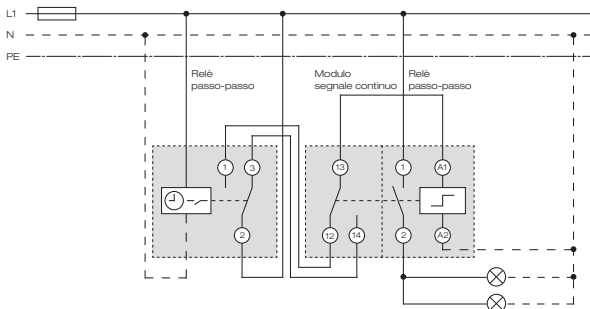
E290-16-10 + E299-11



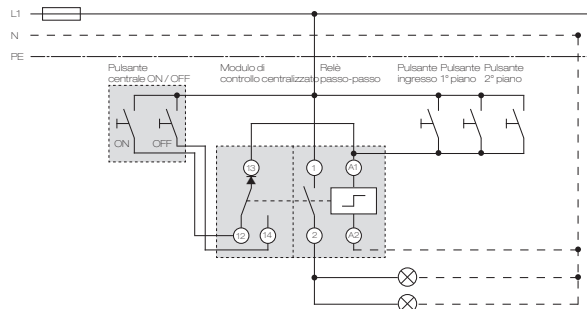
E290-16-10 + E292-16-11 + E299-11



E290-16-10 + 295-PS

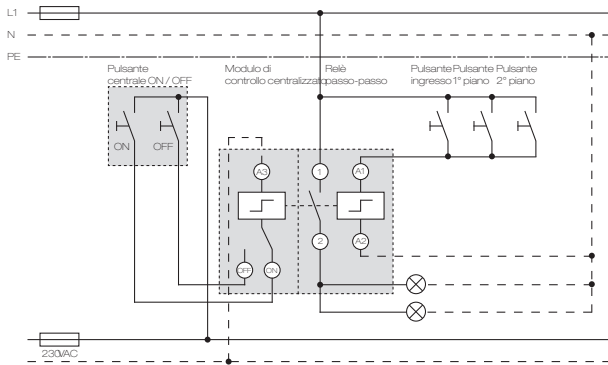
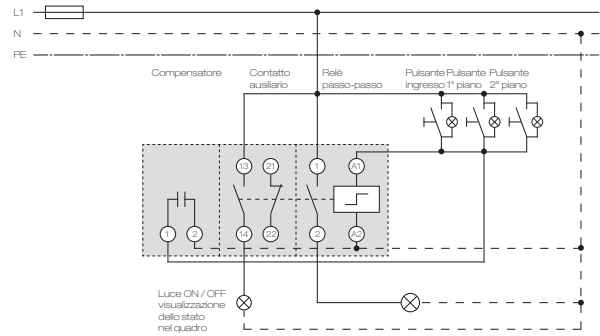
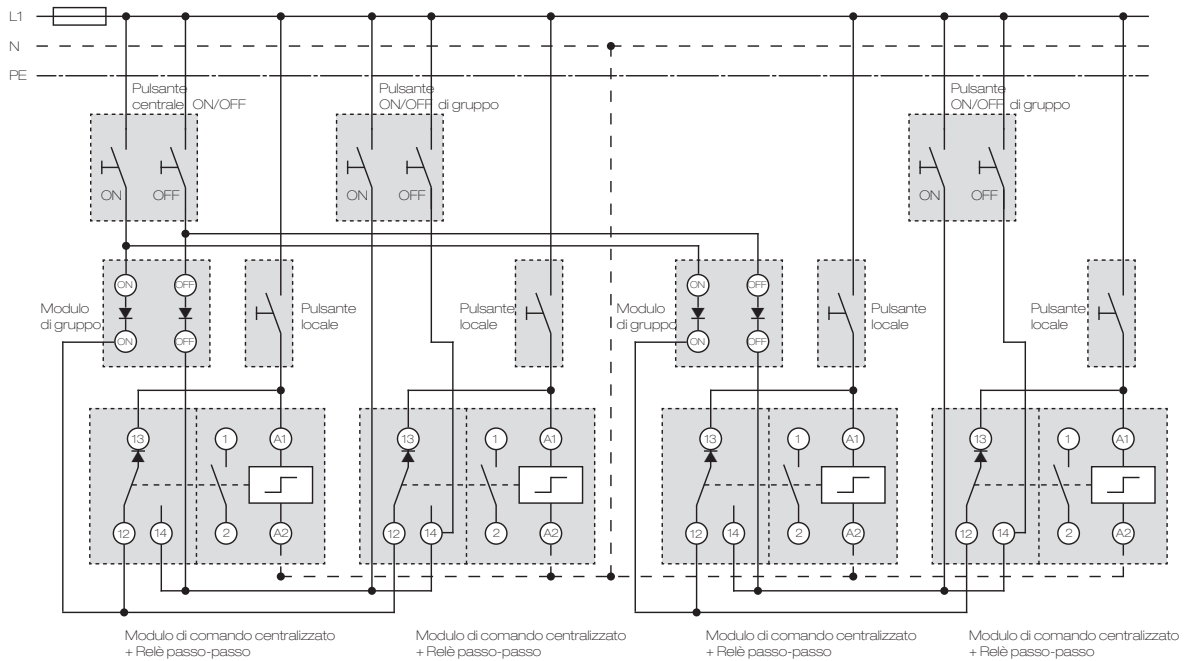


E290-16-10 + E293/X



Schemi di collegamento

Apparecchi di comando e segnalazione

E290-16-10 + E294/230**E296CP + E290-16-10 + E299-11****E290-16-10 + E293/X + E295GM**



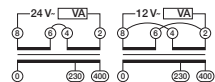
Schemi di collegamento

Apparecchi di comando e segnalazione

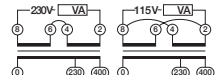
TM-C, TM-S, TM-I

TM-C

Marcatura prodotto:
uscita 12-24 V

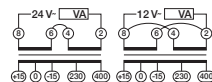


uscita 115-230 V

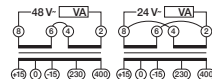


TM-S, TM-I

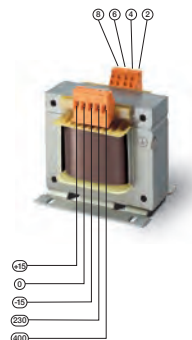
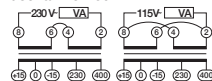
Marcatura prodotto:
uscita 12-24 V TM-S



uscita 24-48 V TM-S

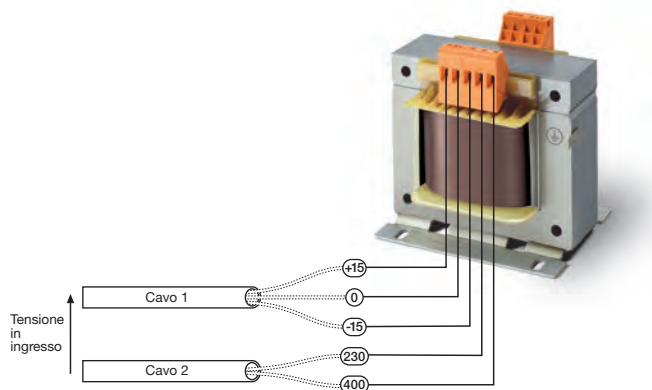


uscita 115-230 V TM-I



Tensione primaria TM-I, TM-S

		Cavo 2	
		230	400
Cavo 1	-15	215V	385V
	0	230V	400V
	15	245V	415V

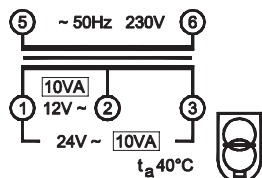


Schemi di collegamento

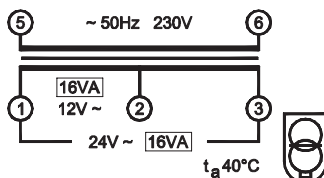
Apparecchi di comando e segnalazione

TS-C

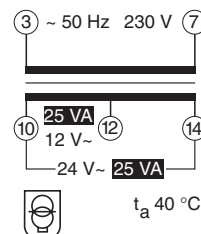
TS10/12-24 C



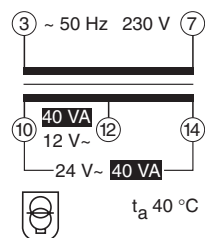
TS16/12-24 C



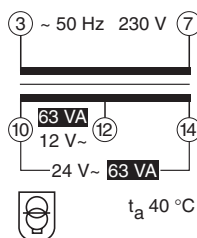
TS25/12-24 C



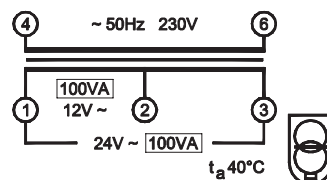
TS40/12-24 C



TS63/12-24 C

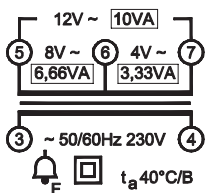


TS100/12-24 C

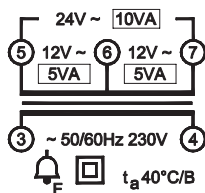


TM

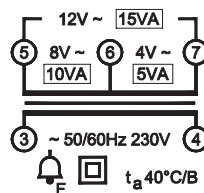
TM10/12



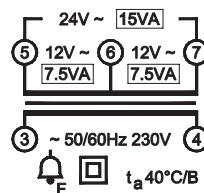
TM10/24



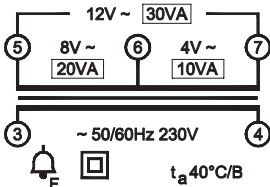
TM15/12



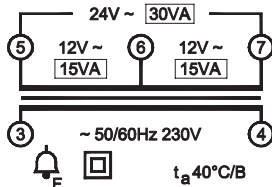
TM15/24



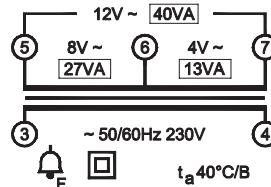
TM30/12



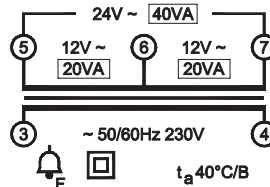
TM30/24



TM40/12



TM40/24





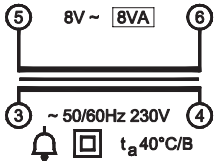
Schemi di collegamento

Apparecchi di comando e segnalazione

TS

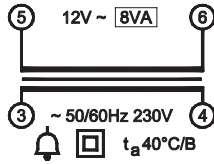
TS8/8

1 A



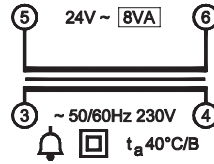
TS8/12

0,67 A



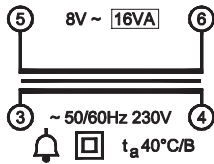
TS8/24

0,33 A



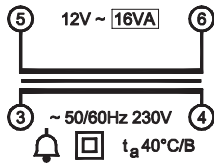
TS16/8

2 A



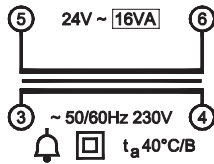
TS16/12

1,33 A



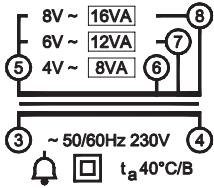
TS16/24

0,67 A



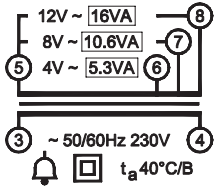
TS16/4-6-8

2 A



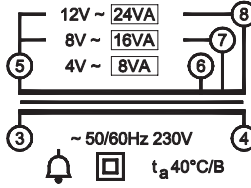
TS16/4-8-12

1,33 A



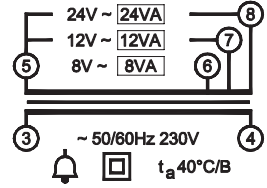
TS24/4-8-12

2 A

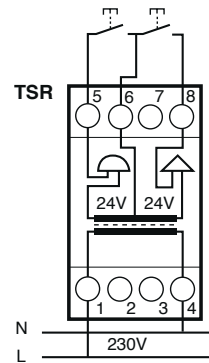
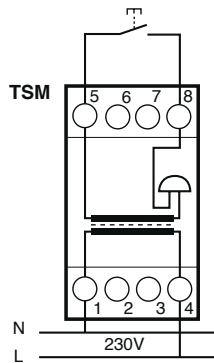
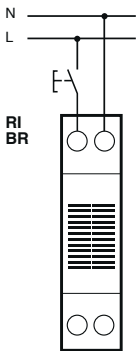


TS24/8-12-24

1 A



Suonerie e ronzatori



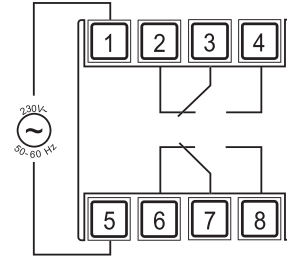
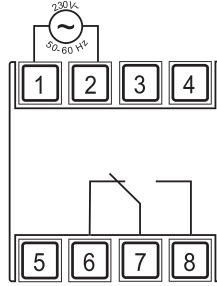
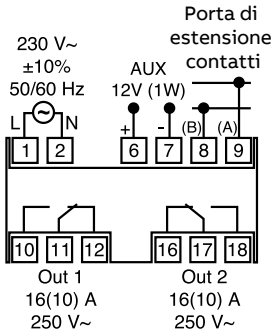
Schemi di collegamento

Apparecchi di controllo e automazione

DY365

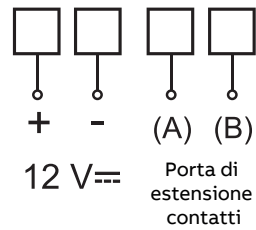
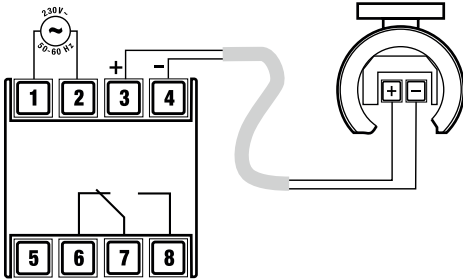
DW1 e DWA1

DW2 e DWA



DWTL1 con DWS

DY DCF77 e DY GPS

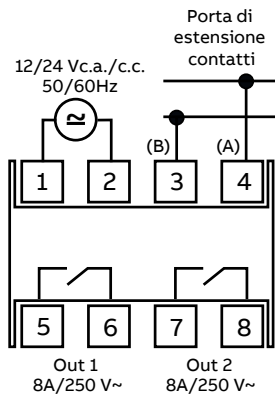




Schemi di collegamento

Apparecchi di controllo e automazione

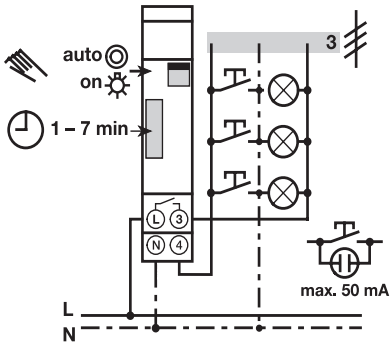
DY365 2Ce e DY365 4CE



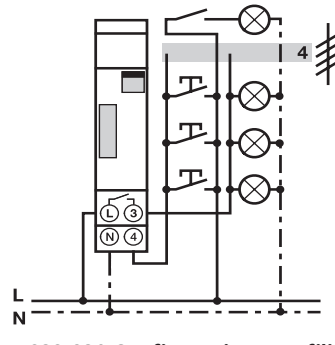
Schemi di collegamento

Apparecchi di controllo e automazione

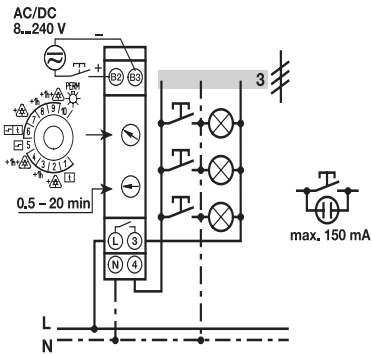
E 232



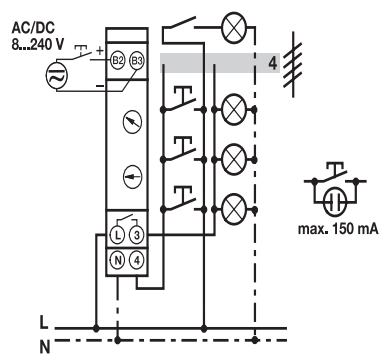
E 232-230 Configurazione a 3 fili



E 232-230 Configurazione a 4 fili



E 232E-8/230 Multi 10 Configurazione a 3 fili



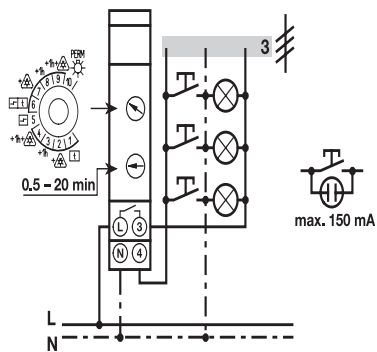
E 232E-8/230 Multi 10 Configurazione a 4 fili



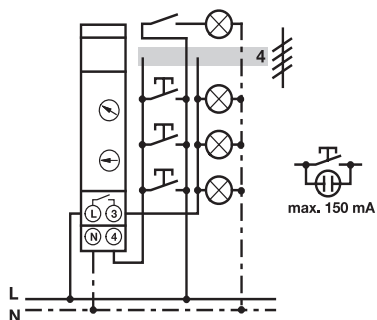
Schemi di collegamento

Apparecchi di controllo e automazione

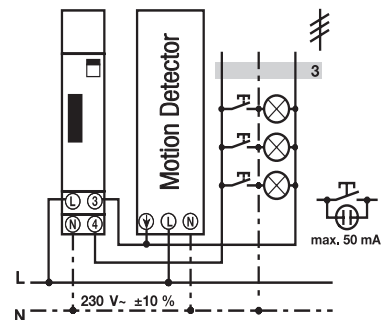
E 232



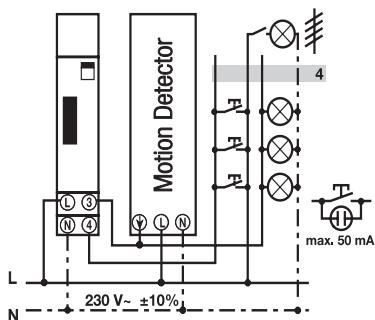
E 232E-230 Multi 10 a 3 fili



E 232E-230 Multi 10 a 4 fili



E 232E-8/230 Multi 10 a 3 fili
E 232E 8/230 a 3 fili
E 232E 230 Multi 10 a 3 fili
E 232E 230 N a 3 fili
E 232-230 a 3 fili



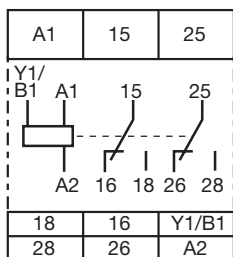
E 232E-8/230 Multi 10 a 4 fili
E 232E 8/230 a 4 fili
E 232E 230 Multi 10 a 4 fili
E 232E 230 N a 4 fili
E 232-230 a 4 fili

Schemi di collegamento

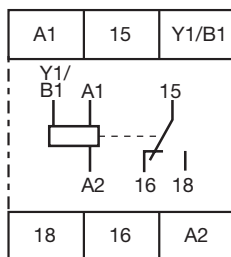
Apparecchi di controllo e automazione

E 234

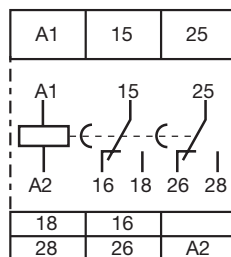
CT-MFD.21



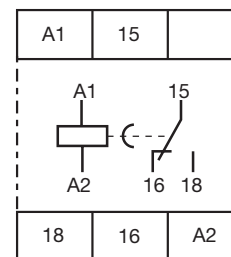
CT-MFD.12



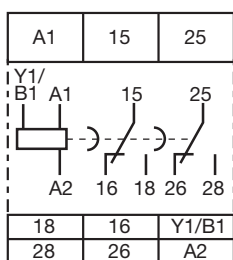
CT-ERD.22



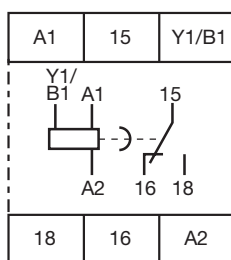
CT-ERD.12



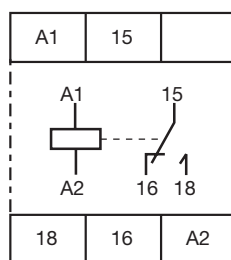
CT-AHD.22



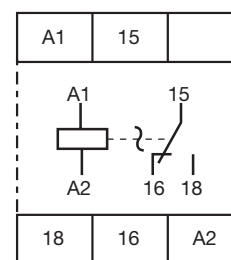
CT-AHD.12



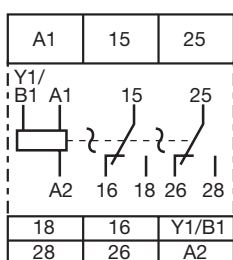
CT-VVD.12



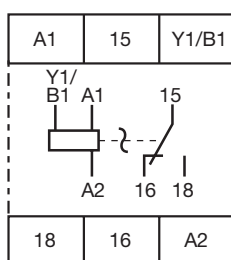
CT-EBD.12



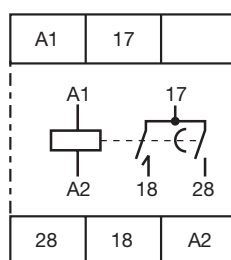
CT-TGD.22



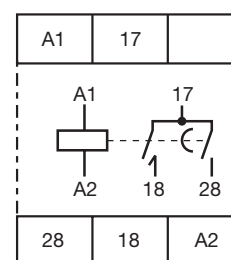
CT-TGD.12



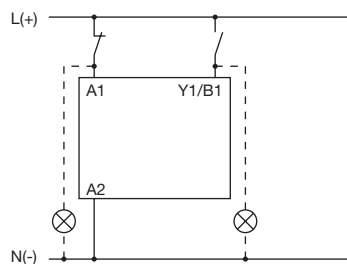
CT-SDD.22



CT-SAD.22



E 234



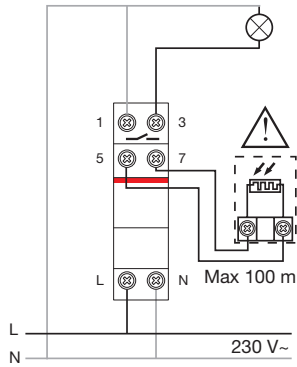
Note di cablaggio per dispositivi con ingresso di controllo
È possibile un carico in parallelo all'ingresso di controllo



Schemi di collegamento

Apparecchi di controllo e automazione

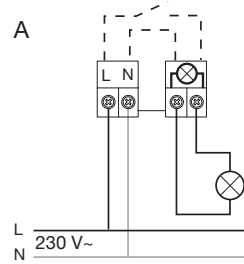
TL1



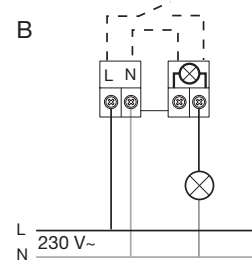
TL1 POLE

230 V~ -30T60
 — 16 (3)A / 250 V~

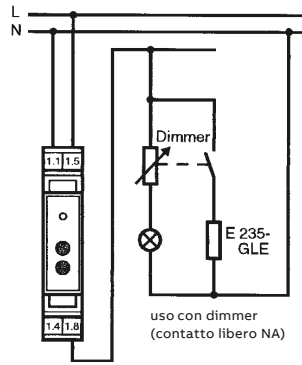
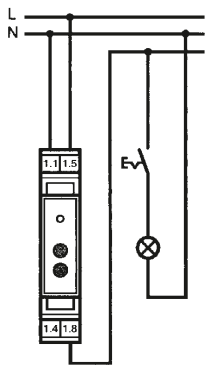
A



B



E235

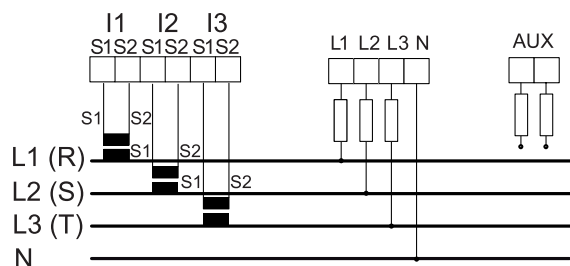


Schemi di collegamento

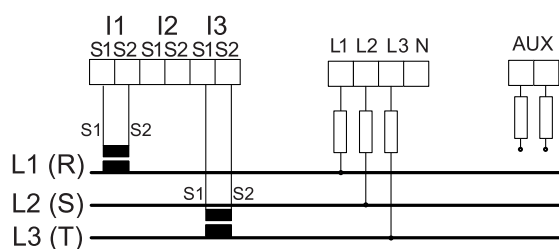
Apparecchi per l'efficienza energetica

M4M20 collegamenti ingressi di misura e alimentazione ausiliaria

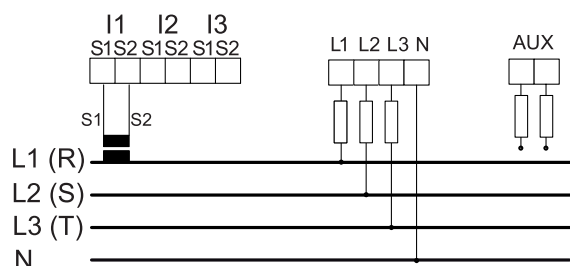
Rete trifase quadrifilare con 3CTs



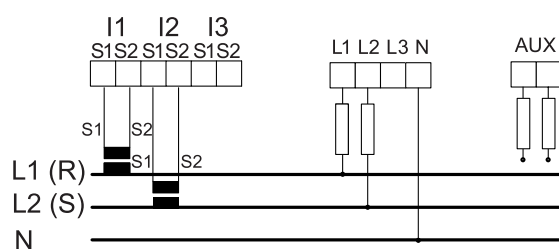
Rete trifase trifilare con 2CTs



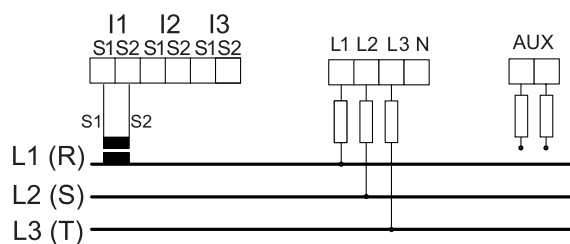
Rete trifase quadrifilare con 1CT



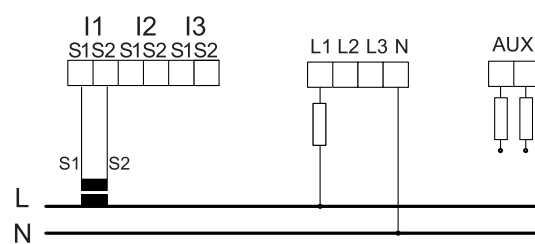
Rete bifase trifilare con 2CTs



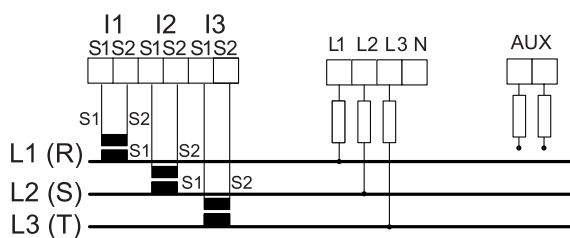
Rete trifase trifilare con 1CT



Rete monofase bifilare con 1CT



Rete trifase trifilare con 3CTs



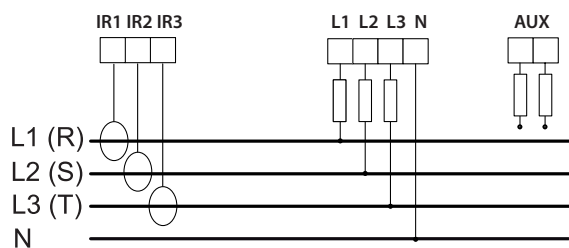


Schemi di collegamento

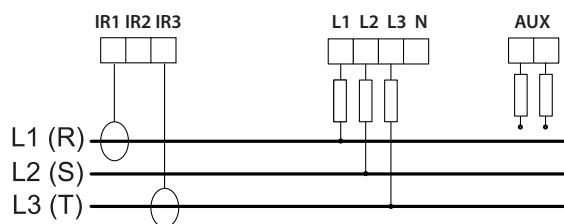
Apparecchi per l'efficienza energetica

M4M20 collegamenti ingressi di misura e alimentazione ausiliaria con bobine Rogowski

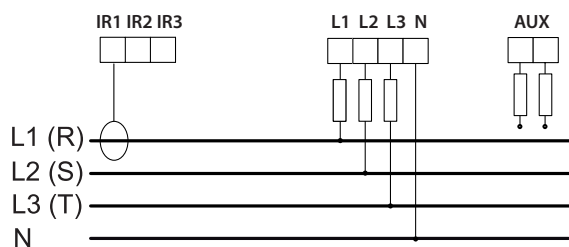
Rete trifase quadrifilare con 3RogCTs



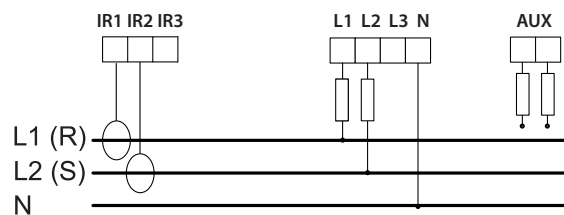
Rete trifase trifilare con 2RogCTs



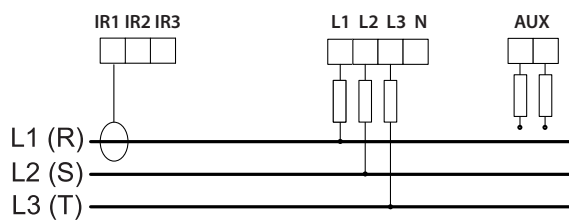
Rete trifase quadrifilare con 1RogCT



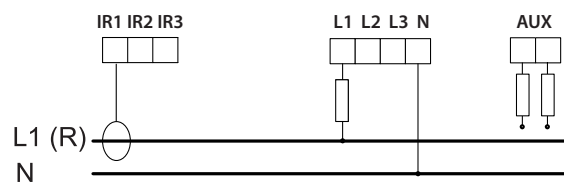
Rete bifase trifilare con 2RogCTs



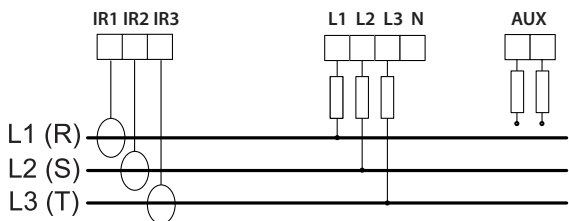
Rete trifase trifilare con 1RogCT



Rete monofase bifilare con 1RogCT



Rete trifase trifilare con 3RogCTs

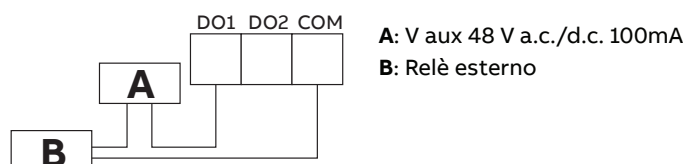


Schemi di collegamento

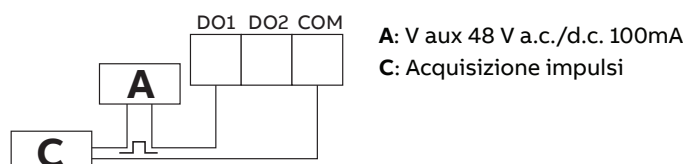
Apparecchi per l'efficienza energetica

M4M20 collegamenti uscite analogiche e digitali, ingressi digitali

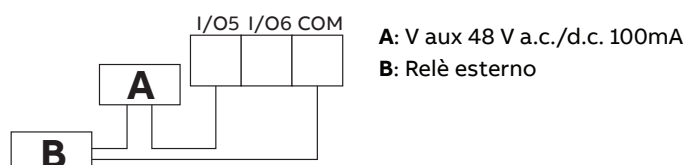
Uscite digitali: Uscita di allarme con relè esterni per il comando di carico. Esempio di cablaggio per DO1 come uscita di allarme COM comune a tutte le uscite digitali:



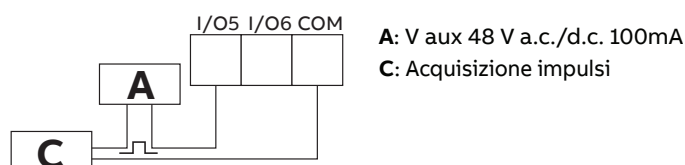
Uscite digitali: Uscita impulsiva. Esempio di cablaggio per DO1 come uscita impulsiva COM comune a tutte le uscite digitali:



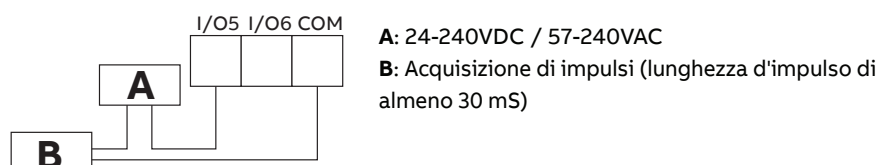
Uscite digitali: Uscita di allarme con relè esterni per il comando di carico (disponibile solo su M4M 20 I/O). Esempio di cablaggio per I/O5 come uscita di allarme COM comune a tutte le uscite digitali:



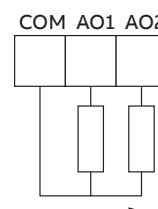
I/O programmabile: Uscita impulsiva (disponibile solo su M4M 20 I/O). Esempio di cablaggio per I/O5 come uscita impulsiva COM comune a tutte le uscite digitali:



I/O programmabile: Ingresso impulsivo per acquisizione di impulsi esterni (disponibile solo su M4M 20 I/O):



Uscite analogiche, carico tipico 250 Ohm, 500 Ohm (disponibile solo su I/O M4M 20):



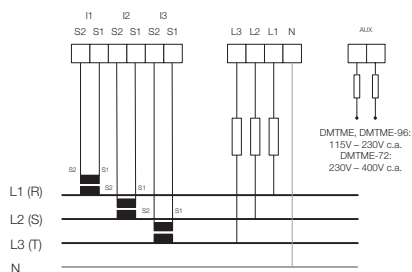


Schemi di collegamento

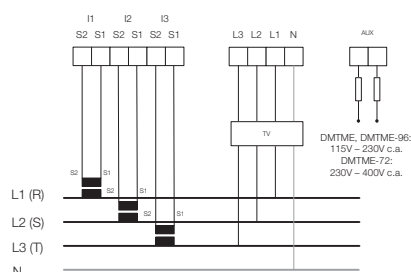
Apparecchi per l'efficienza energetica

DMTME

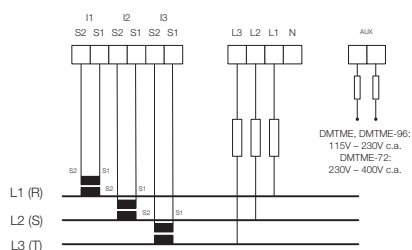
Sistema trifase con neutro con 3 TA



Sistema trifase con neutro con 3 TA e 3 TV

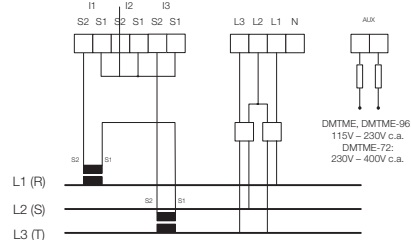


Sistema trifase con 3 TA

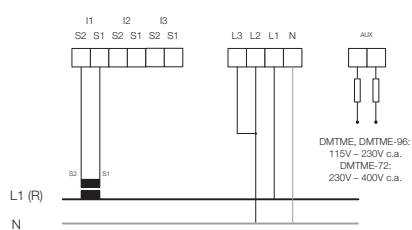


Sistema trifase con 2 TA e 2 TV (Aron)

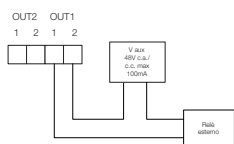
Inserzione diretta fino a 800 V fase-fase,
tensione massima di sovraccarico permanente.



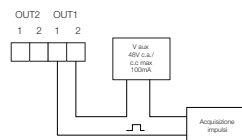
Sistema monofase con neutro con 1 TA



Uscite digitali come allarmi con relè esterno per comandare i carichi



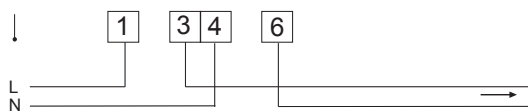
Uscite digitali come impulsi



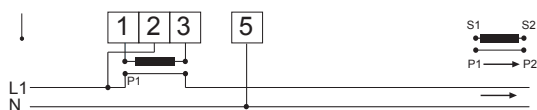
Schemi di collegamento

Apparecchi per l'efficienza energetica

Contatori di energia A41

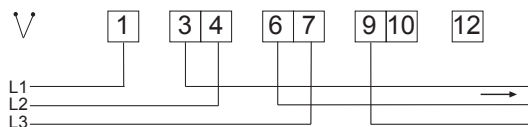


Contatori di energia A42

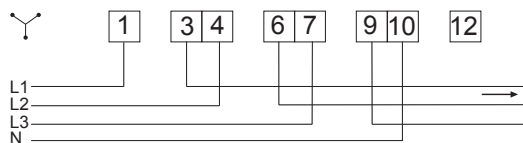


Contatori di energia A43

Trifase



Trifase + neutro



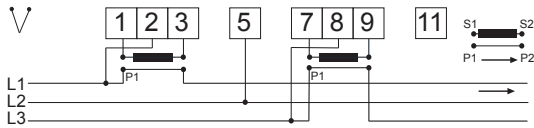


Schemi di collegamento

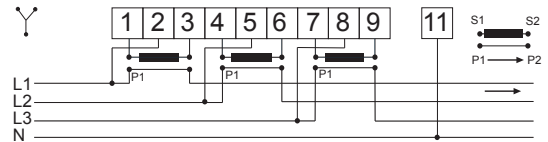
Apparecchi per l'efficienza energetica

Contatori di energia A44

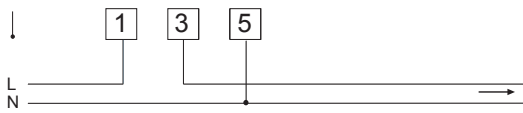
Trifase



Trifase + neutro

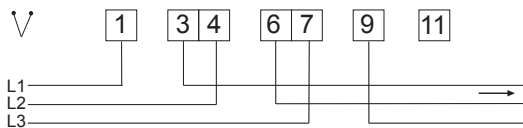


Contatori di energia B21

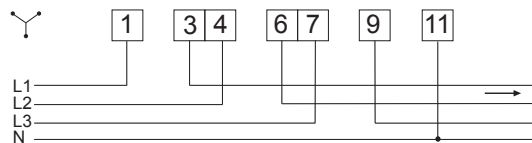


Contatori di energia B23

Trifase

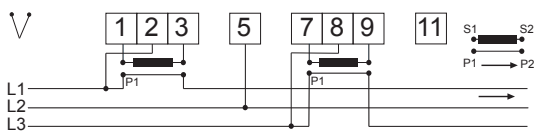


Trifase + neutro

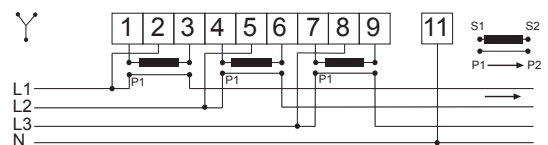


Contatori di energia B24

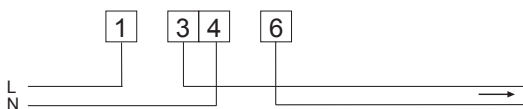
Trifase



Trifase + neutro



Contatori di energia C11

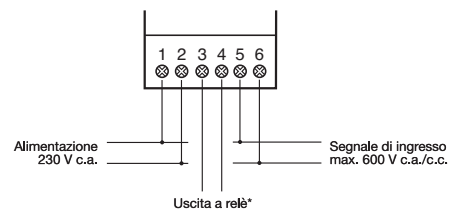


Schemi di collegamento

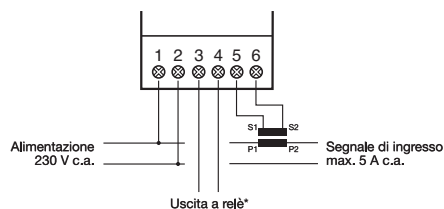
Apparecchi per l'efficienza energetica

Strumenti digitali

VLMD-1-2 e VLMD-1-2-R
VLMD P e VLMD-R P

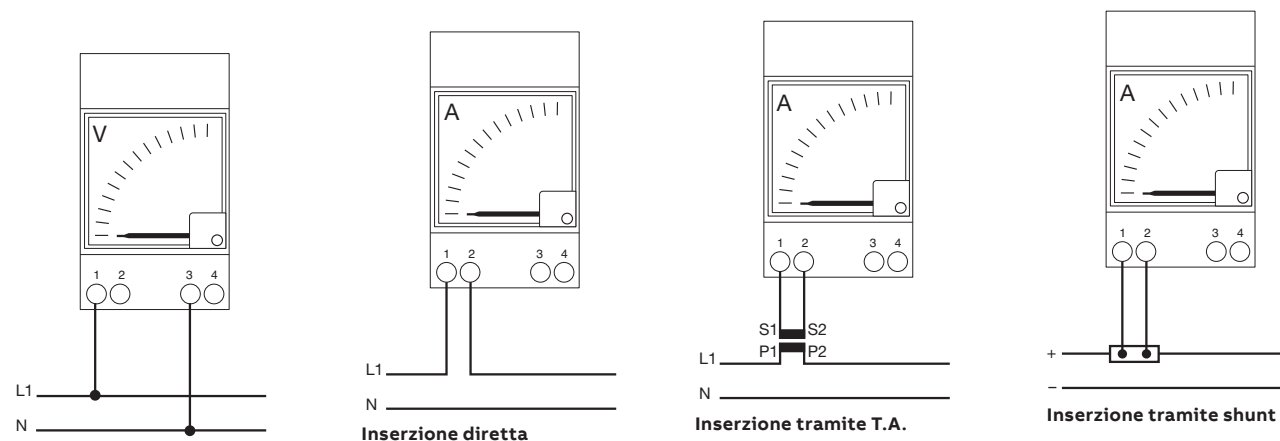


AMTD-1 e AMTD-1-R
AMTD-1 P e AMTD-1-R P



*Solo per strumenti con uscita relè

Strumenti analogici





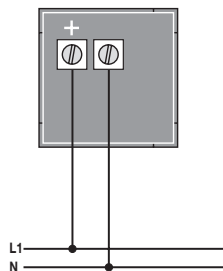
Schemi di collegamento

Apparecchi per l'efficienza energetica

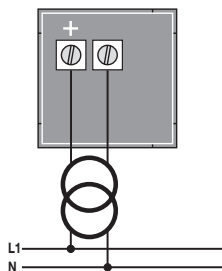
Strumenti digitali per fronte quadro

Voltmetri per corrente alternata

Inserzione diretta

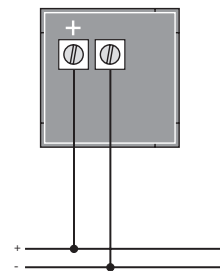


Inserzione tramite TV



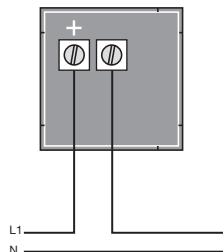
Voltmetri per corrente continua

Inserzione diretta

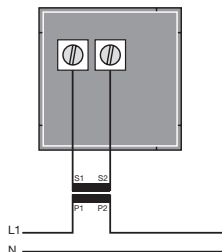


Amperometri per corrente alternata

Inserzione diretta

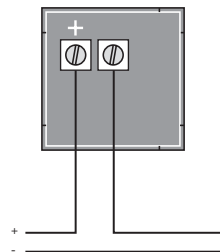


Inserzione tramite CT

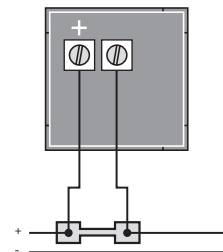


Amperometri per corrente continua

Inserzione diretta



Inserzione con shunt



SCU-100 System pro M compact® InSite

Per gli schemi relativi a SCU-100 System pro M compact® InSite consultare il **Manuale d'uso System pro M compact® SCU-100**.

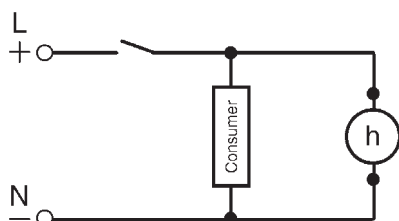
Moduli di ingresso/uscita DM00, DM10, DM11 per System pro M compact® InSite

Per gli schemi relativi ai moduli di ingresso/uscita per System pro M compact® InSite consultare il **Manuale d'uso System pro M compact® SCU-100**.

Schemi di collegamento

Apparecchi per l'efficienza energetica

E 233



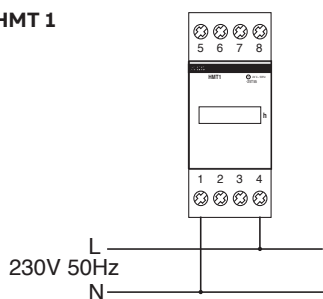
elapsed-time meter



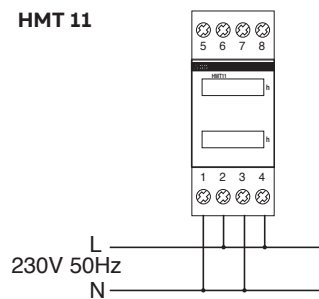
E 233-15/48 DC

HMT

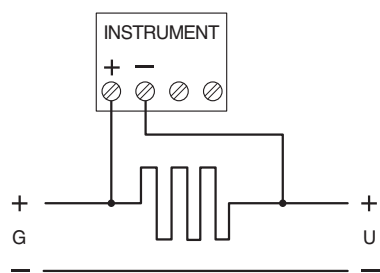
HMT 1



HMT 11



SNT





Dimensioni di ingombro

Prodotti con profilo modulare	Larghezza		Profondità		Ingombro max.					
	in moduli	in mm	da guida a pannello	da guida a frontalino	profondità massima	altezza massima				
Interruttori magnetotermici										
SN201	1	17.6	43.5	58	68.9	85				
S201C	1	17.8	43.8	56.5	70	86				
S202C										
S203C	2	35.6	44	-	69	88				
S204C										
S201	1	17.5	44	-	69	88				
S201 Na	2	35								
S202	2	35								
S203	3	52.5								
S203 Na	4	70								
S204	4	70								
S301P	1	17.5								
S301P Na	2	35								
S302P	2	35								
S303P	3	52.5								
S303P Na	4	70								
S304P	4	70								
S200 con contatto ausiliario sottoposto	Vedi disegni									
S201 UDC	1	17.5					44	-	71	92
S202 UDC	2	35								
S203 UDC	3	52.5								
S204 UDC	4	70								
SU201 M	1	17.5	49.5	-	69	111				
SU202 M	2	35								
SU203 M	3	52.5								
SU204 M	4	70								
S201 80-100A	1	17.5	44	58	69	88.8				
S202 80-100A	2	35								
S203 80-100A	3	52.5								
S204 80-100A	4	70								
S750DR	Vedi disegni									
S801	1.5	26.5	52	82.5	88.5	95				
S802	3	53								
S803	4.5	79.5								
S804	6	106								

Dimensioni di ingombro

Prodotti con profilo modulare	Larghezza		Profondità		Ingombro max.	
	in moduli	in mm	da guida a pannello	da guida a frontalino	profondità massima	altezza massima
Apparecchi differenziali						
F202	2	35	44	-	69	88
F204	4	70	44	-	69	85
F202 B	2	35	44	-	69	85
F204 B	4	70	44	-	69	85
F204 B (≥80A)	4	72	44	60	69.5	85
F204 125 A	2	72	44	60	69.5	-
DDA 200	Vedi disegni					
DDA 800	Vedi disegni					
DS201	2	35	44	58	69	85
DS202CR			43			
DS203NC	4	70.4	-	-	69	85
DS301C L	1	17.6	-	-	67	85
RD2	2	35	44	58	-	85
RD3	3.5	58.2	44.2	57.9	57.9	85
ELR	Vedi disegni					
Trasformatori toroidali	Vedi disegni					
AFDD						
S-ARC1	2	35	-	-	69	85
DS-ARC1	3	52,5	-	-	69	85
Elementi ausiliari e accessori						
S 2C-A_	1	17.5				
S 2C-H11L						
S 2C-H20L			44	-	69	85
S 2C-H02L	0.5	8.8				
S 2C-S/H 6R						
S 2C-H 6R						
S 2C-UA_	1	17.4	44	-	74	85
F 2C-A_						
F 2C 125A-SH/S2C-Nt	0.5	8.8	44	-	70	88
Contatto ausiliario sottoposto	Vedi disegni					
S 2C-EST	Vedi disegni					
S 2C-BP	1	17.5	44	-	68	85



Dimensioni di ingombro

Prodotti con profilo modulare	Larghezza		Profondità		Ingombro max.	
	in moduli	in mm	da guida a pannello	da guida a frontalino	profondità massima	altezza massima
S 2C-CM	Vedi disegni					
F 2C-ARI	Vedi disegni					
F 2C-CM	Vedi disegni					
F 2C-ARH	Vedi disegni					
F 2C-ARH-T	Vedi disegni					
Elementi ausiliari per SN201	Vedi disegni					
S800-AUX	Vedi disegni					
S800-RSU-H	Vedi disegni					
S800-RD+S800-RHE	Vedi disegni					
Terminal covers	Vedi disegni					
Enclosures	Vedi disegni					
Flush frame	Vedi disegni					
Barrette di collegamento	Vedi disegni					
Flangia ME	Vedi disegni					
OH_2A_	Vedi disegni					
Protezione e sicurezza						
OVR SPD (vedi tabelle prodotto)	1	17.8	45.5			
	2	35.6				
	4	71.2				
	6	106.8	43.5	58	-	85
	7	124.6				
	8	142.4				
E90 20/32 e PV (1000 VDC) 1 polo	1	17.5				
E90 20/32 1 polo + N	2	35				
E90 20/32 e PV (1000 VDC) 2 poli	2	35				
E90 20/32 3 poli	3	52.5	-	-	64	85
E90 20/32 3 poli + N	4	70				
E90 20/32 4 poli	4	70				
E90 PV155e	Vedi disegni					
E90/32 PV 1500						
E90 50 1 polo						
E90 50 1 polo + N	Vedi disegni					
E90 50 2 poli						
E90 50 3 poli						
E90 50 3 poli + N						
E90 125 1 polo						
E90 125 1 polo + N						
E90 125 2 poli	Vedi disegni					
E90 125 3 poli						
E90 125 3 poli + N						

Dimensioni di ingombro

Prodotti con profilo modulare	Larghezza		Profondità		Ingombro max.	
	in moduli	in mm	da guida a pannello	da guida a frontalino	profondità massima	altezza massima
E90 30 Class J 1 polo						
E90 30 Class J 2 poli	Vedi disegni					
E90 30 Class J 3 poli	Vedi disegni					
E90 60 Class J 1 polo						
E90 60 Class J 2 poli	Vedi disegni					
E90 60 Class J 3 poli	Vedi disegni					
SQZ3	3	52.5	44	58	58	85
E 236 US1	2	35	44	60	65	87
E 236 US2						
E 236 US1.1	1	17.5	44	60	60	87
E 236 US2.1						
E 236 US1.1D						
ISL-A 115	6	105	44	58	65	90
ISL-A 230						
ISL-A 600						
ISL-C 600						
ISL-A 24-28	3	52.5	44	58	65	85.5
ISL-C 230						
ISL-C 440						
Isoltester-DIG	6	105	44	56	61	90
Selvtester-24	3	52.5	44	58	58	85.5
QSD	Vedi disegni					
TI	Vedi disegni					
QSO	Vedi disegni					



Dimensioni di ingombro

Prodotti con profilo modulare	Larghezza		Profondità		Ingombro max.	
	in moduli	in mm	da guida a pannello	da guida a frontalino	profondità massima	altezza massima
Comando e segnalazione						
SD201	1	17.5				
SD202	2	35				
SD203	3	52.5	-	-	69	88
SD204	4	70				
E201	1	17.5				
E202	2	35	44	58	70	85
E203	3	52.5				
E204	4	70				
OTM	Vedi disegni					
E463	2.5	44	44	58	70	85
E210	0.5	9				
E210	1	18	43.5	58	67.9	85
ESB 20	1	17.5				
ESB 24	2	35				
ESB 40			44	58	58	85
ESB 63	3	54				
EN 20	1	17.5				
EN 24	2	35				
EN 40			44	58	58	85
EN 63	3	54				
E297	Vedi disegni					
E290	Vedi disegni					

Dimensioni di ingombro

Prodotti con profilo modulare	Larghezza		Profondità		Ingombro max.	
	in moduli	in mm	da guida a pannello	da guida a frontalino	profondità massima	altezza massima
TS 25 C	4	70				
TS 40 C	4	70	44	58	58	85
TS 63 C	5	87.5				
TM10						
TM15	2	35				
TS8...16			44	58	58	85
TM30						
TM40	3	52.5				
TS24						
RI	1	17.5				
BR			44	58	58	85
TSM	2	35				
TSR						
CP-D 15/0.83	1	18				
CP-D 24/0.42						
CP-D 24/2.5	4	71	44	58	58	91
CP-D 15/2.1	3	53				
CP-D 24/1.3						
CP-D 24/4.2	5	89.9				
TM-	Vedi disegni					
M117	2.5	44				
M1011	3	53	44	60	60	85
M1363						
MA1-8001	Vedi disegni					



Dimensioni di ingombro

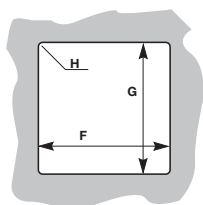
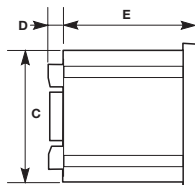
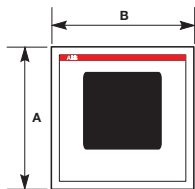
Prodotti con profilo modulare	Larghezza		Profondità		Ingombro max.	
	in moduli	in mm	da guida a pannello	da guida a frontalino	profondità massima	altezza massima
Controllo e automazione						
AD1NO-15m	1	17.5				
AD1NO-R-15m	1					
AD1CO-30m	2	35	-	60	66	88
AD1CO-R-30m	2					
AW1CO-R-210m	2					
AD1CO-15m	2.5	44				
AD1CO-R-15m	2.5					
AW1CO-R-120m	2.5					
AD1-R-15m-72	Vedi disegni					
TL1	1	17.5	-	-	65	86
TLs	Vedi disegni					
TL1 Pole	Vedi disegni					
DY365	4	72	-	-	65	87
DY365 2CE	2	36	-	-	65	88
DY365 4CE	4	72	-	-	65	87
DW1	2	35	-	-	65	87
DW2	2					
DWA1	2					
DWA2	2					
DWTL1	2					
DYDCF77	Vedi disegni					
DYGPS	Vedi disegni					
E 232-230	1	17.5	44	59	59	88
E 232 E					58	90
E 234 1 contatto	1	17.5	43.4	58	58	70
E 234 2 contatti					80	
E235	1	18	-	58	58	-

Dimensioni di ingombro

Prodotti con profilo modulare	Larghezza		Profondità		Ingombro max.					
	in moduli	in mm	da guida a pannello	da guida a frontalino	profondità massima	altezza massima				
Efficienza energetica										
M4M	Vedi disegni									
DMTME	6	105	44	58	58	90				
IS	8	140	-	-	64	90				
ISP	12	210	-	-	64	90				
A41	4	70	44	65	65	97				
A42										
A43	7	123								
A44										
B21	2	35								
B23	4	70								
B24										
C11	1	17.5								111
C13	3	54								122
QA	4	72					-	-	64.5	90
ZS/S	2	36	-	-	64.5	90				
Strumenti analogici modulari	3	52.5	44	58	58	85				
Strumenti digitali modulari	3	52.2	44	58	58	85				
TRF M	3	52.5	44	58	58	85.5				
TV2	Vedi disegni									
Shunts	Vedi disegni									
E 233	1	17.5	44	58	58	85				
HMT	2	35	44	58	58	85				
CMS-700	9.5	162	43.6	58.1	64.2	87				
SCU-100	9.5	162	43.6	58.1	64.2	87				
DM00, DM10, DM11	2	35.8	-	-	65	87				

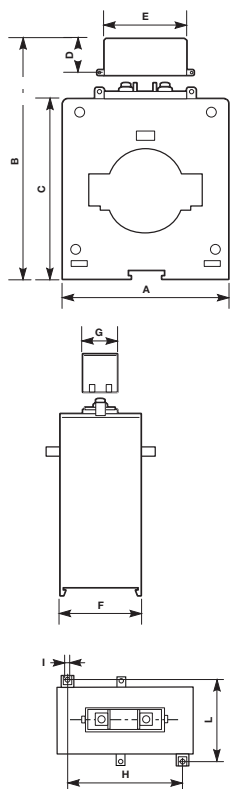


Dimensioni di ingombro



Prodotti con profilo non modulare	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H
Apparecchi per fronte quadro								
SL - 48	48	48	44	7	48	45	45	R3
SL - 72	144	72	-	9	55	67	137	R3
Strumenti analogici - 96	96	96	90	6	53	92÷0.8	92÷0.8	R3
Strumenti digitali	36	72	32	6	51.5	68÷0.8	33÷0.8	R3
M4M	Vedi disegni							
TMD	96	96	90	14	115	92	92	R3
DMTME - 96	96	96	90	13	90	92	92	R3
DMTME - 72	72	72	-	10	90	68	68	R3

Dimensioni di ingombro

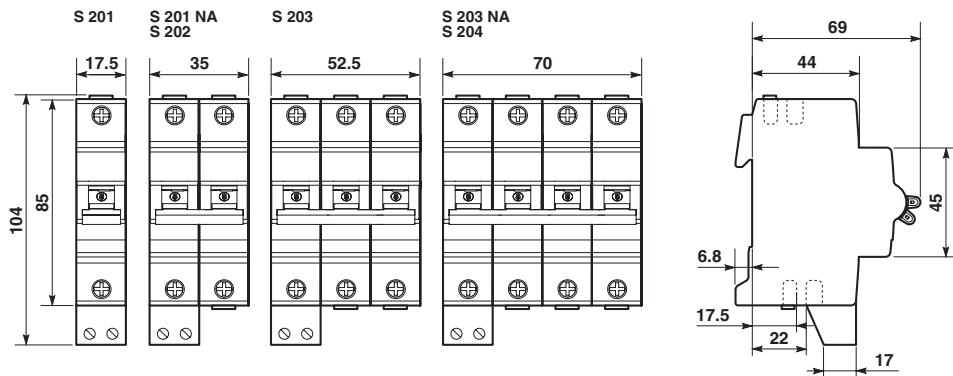


Prodotti con profilo non modulare	A	B	C	D	E	F	G	H	I	L
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
Trasformatori di misura										
CT MAX	Vedi disegni									
CT PRO XT	Vedi disegni									
CTA	Vedi disegni									
CT6	105	121	100	18.5	75	61	21	82	3.7	76.7
CT8	125	142	120	18.5	50	61.5	21	82	3.7	76.7
CT8-V	109	141	119	18.5	50	41	21	-	-	-
CT12 fino a 4000 A	180	196	175	18.5	50	68.5	21	156.8	3.7	84
CT12 5000 A, CT12 6000 A	272	290	265	25	50	-	-	-	-	50
CT12-V	109	186	165	18.5	50	41	21	-	-	-
CTO	Vedi disegni									

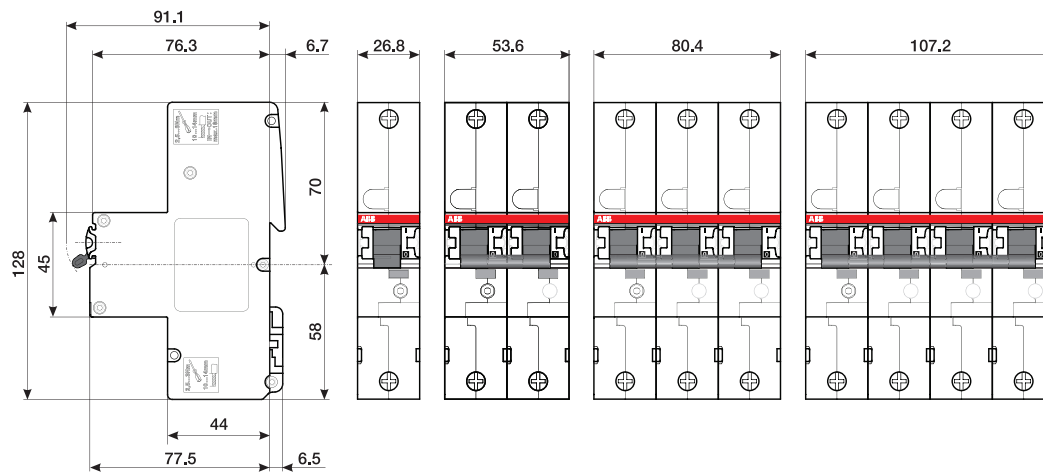


Dimensioni di ingombro

S 200 con contatto ausiliario sottoposto

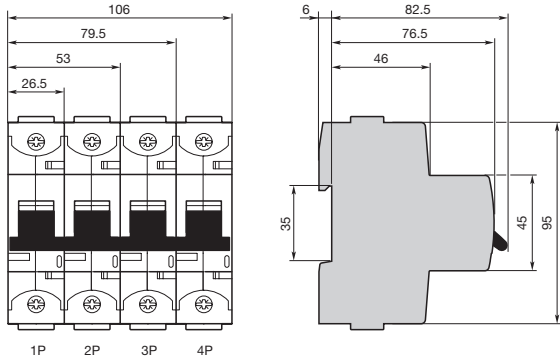


S 750 DR

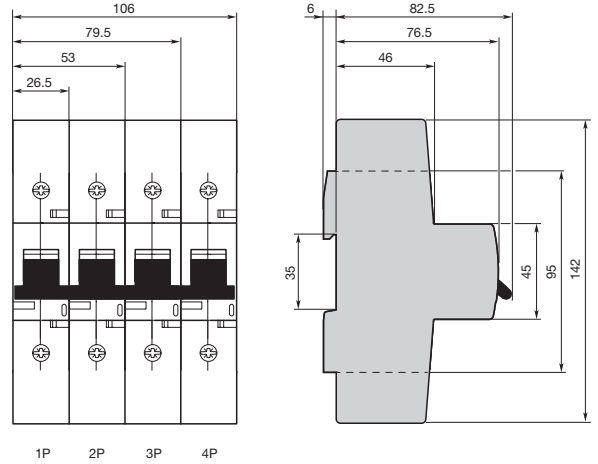


Dimensioni di ingombro

S800S, S800N, S800C, S800B, S800U, S800PV-SP, S800PV-SD

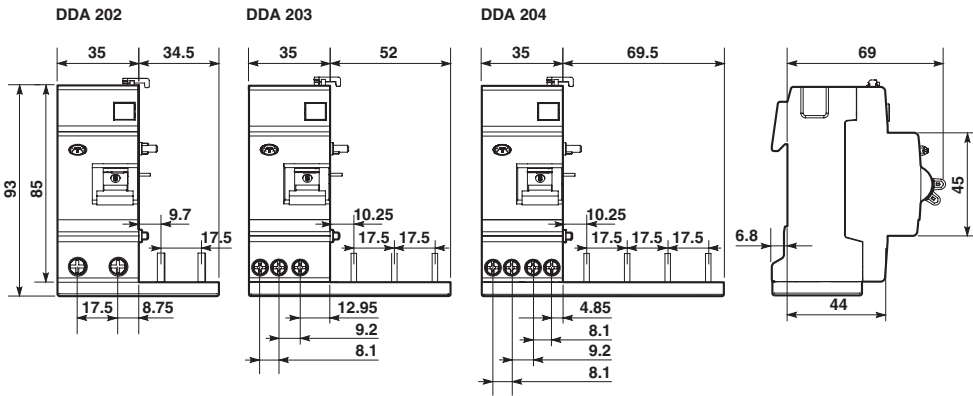


S800 con capocorda ad occhiello

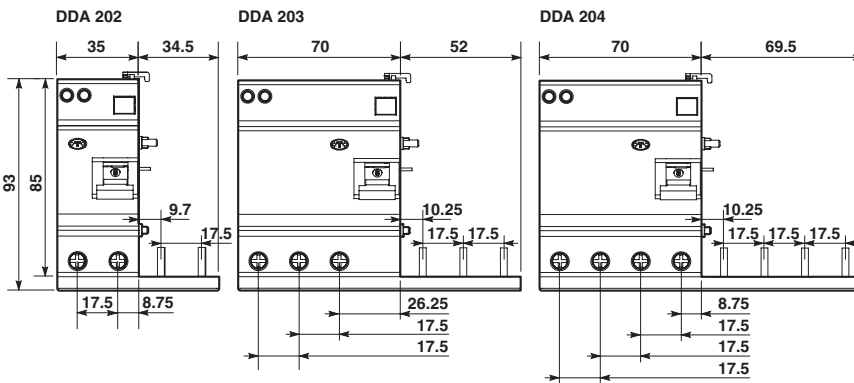


DDA 200

In=25-40 A



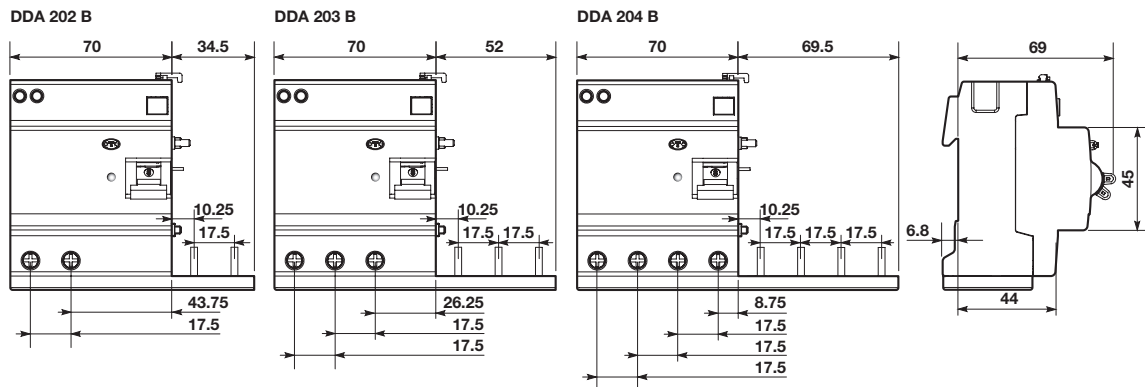
In=63 A



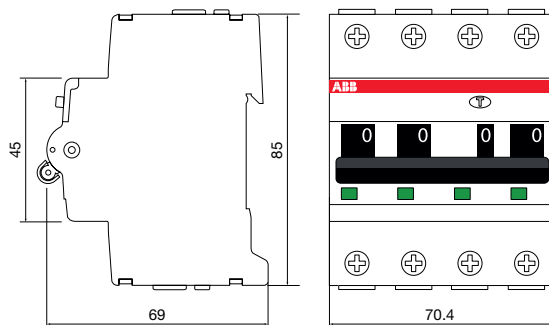


Dimensioni di ingombro

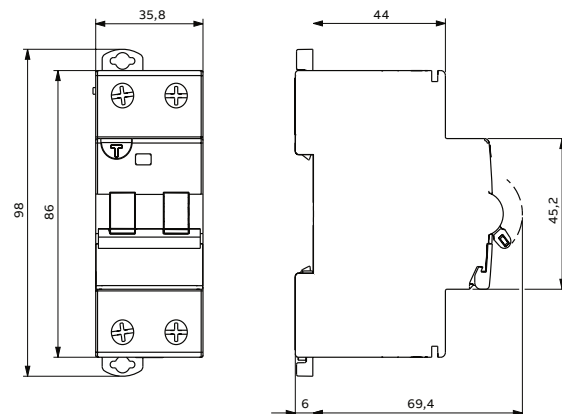
DDA 200 B



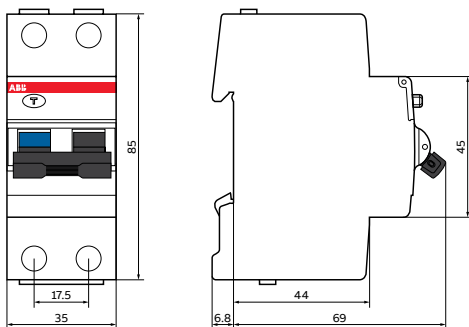
DS203NC



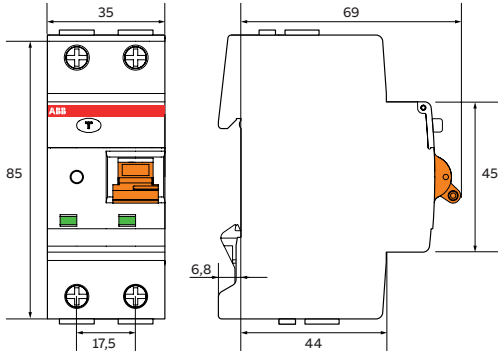
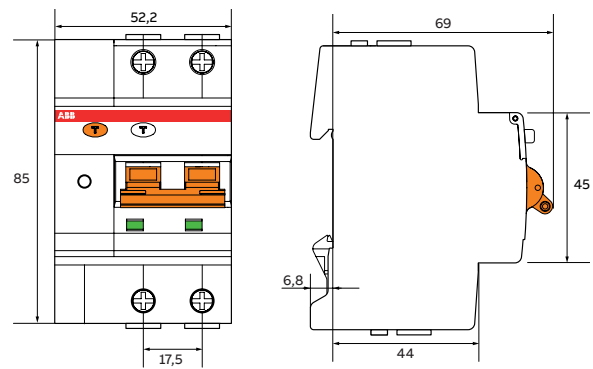
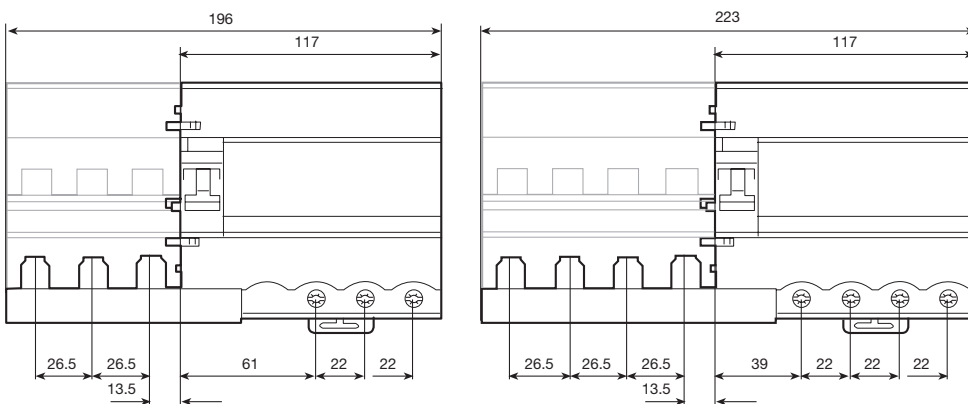
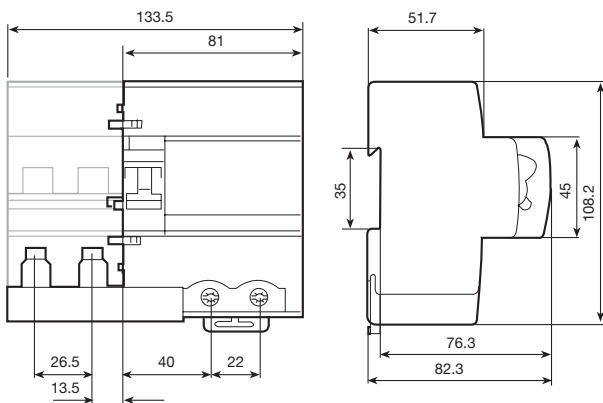
DS202CR



DS201 - DS201 LH



Dimensioni di ingombro

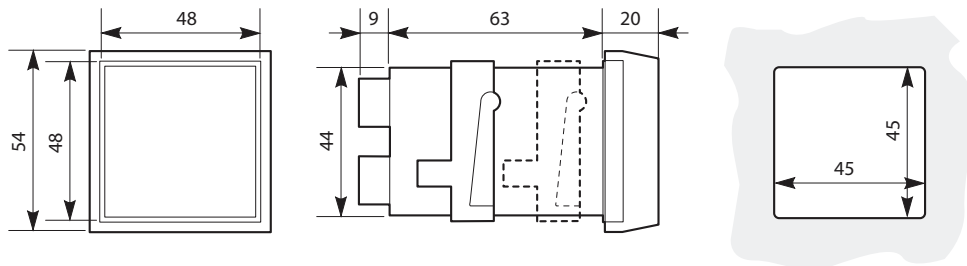
S-ARC1**DS-ARC1****DDA 800 per S800**



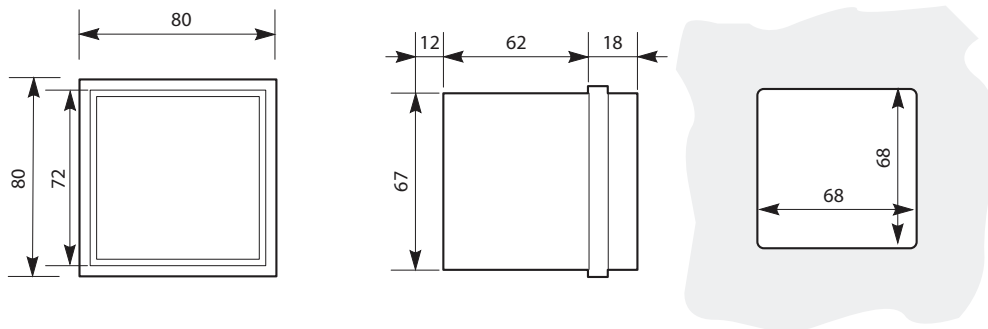
Dimensioni di ingombro

Relè differenziale fronte quadro ELR

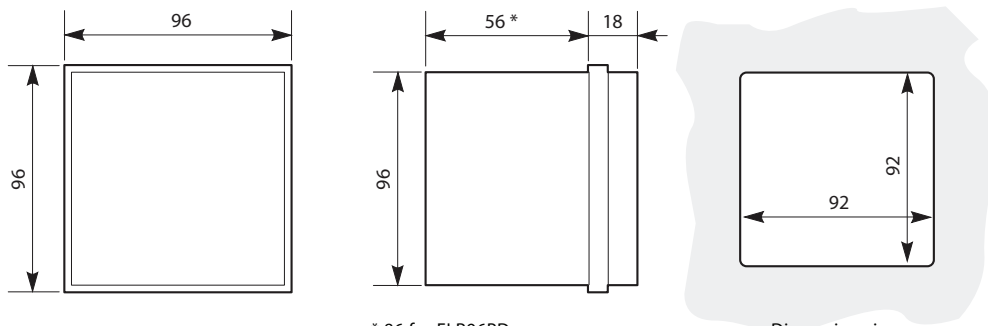
ELR48P



ELR72



ELR96



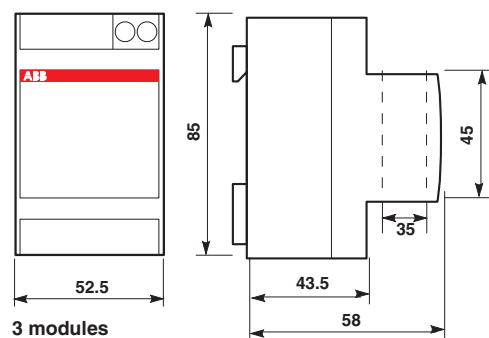
* 86 for ELR96PD

Dimensions in mm

Dimensioni di ingombro

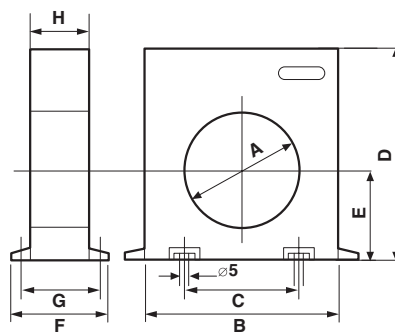
Trasformatori toroidali

TRM

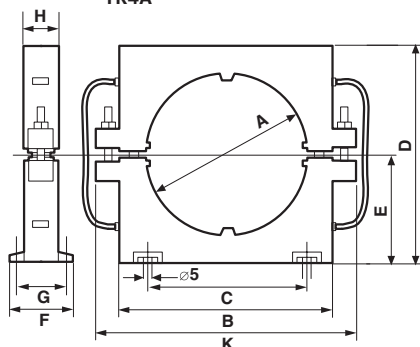


3 modules

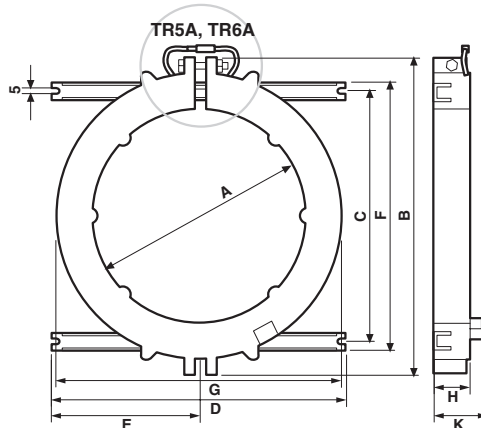
TR1, TR2, TR3, TR4, TR160, TR160A



TR4A



TR5, TR5A, TR6, TR6A

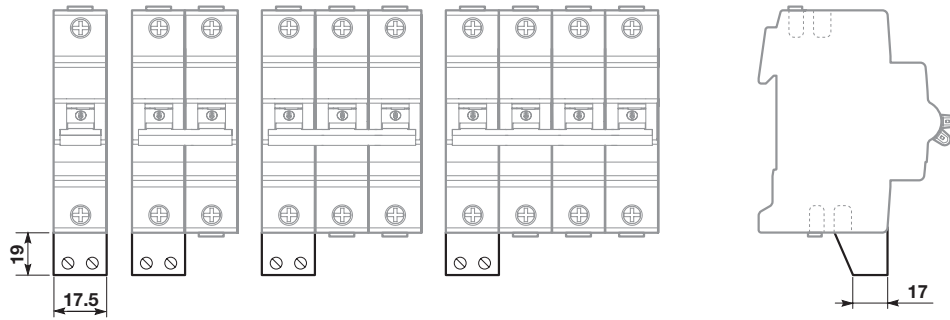


Tipo	Dimensioni (mm)								
	A	B	C	D	E	F	G	H	K
TR1	35	100	60	110	47	50	43	30	-
TR2	60	100	60	110	47	50	43	30	-
TR3	80	150	110	160	70	50	43	30	-
TR4	110	150	110	160	70	50	43	30	-
TR4A	110	145	110	150	75	45	38	25	180
TR160	160	220	156	236	110	64	50	34	-
TR160A	160	220	156	236	110	64	50	34	-
TR5	210	310	240	290	145	260	280	36	55
TR5A	210	310	240	290	145	260	280	36	55
TR6	300	416	350	386	193	366	365	42	60
TR6A	300	416	350	386	193	366	365	42	60

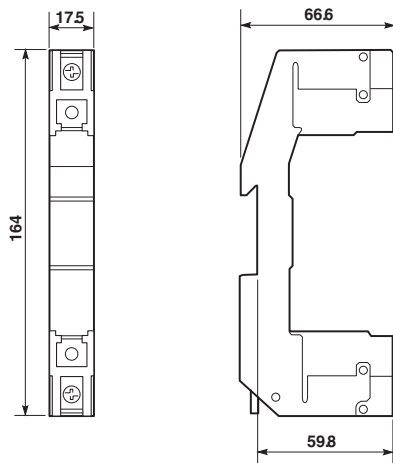


Dimensioni di ingombro

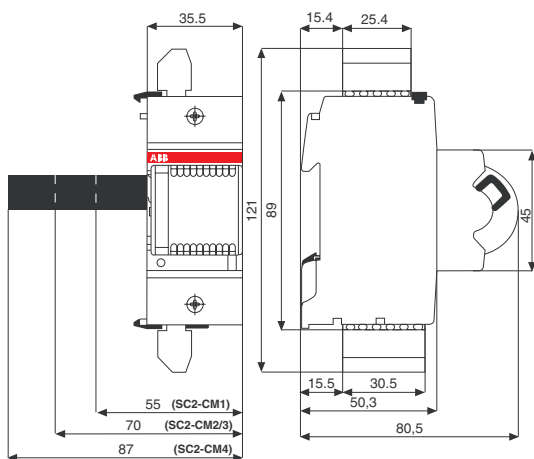
Contatto ausiliario sottoposto (con S200)



S 2C-EST

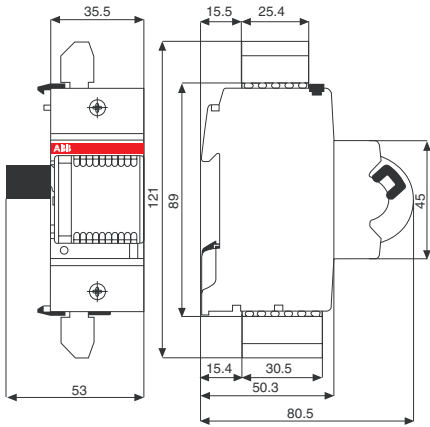


S 2C-CM

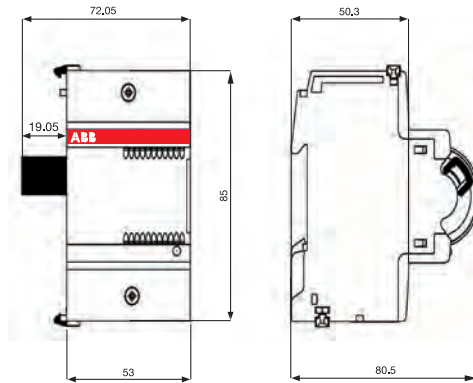


Dimensioni di ingombro

F2C-ARI, F2C-CM

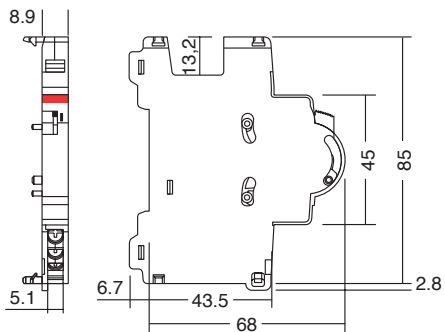


F2C-ARH, F2C-ARH-T

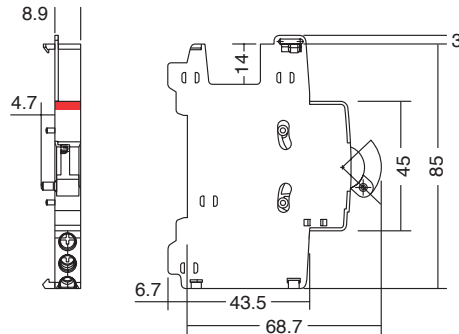


Elementi ausiliari per SN 201

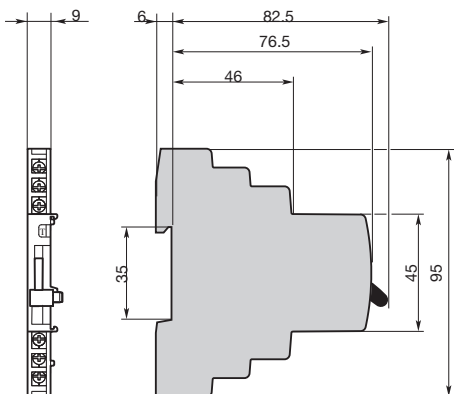
SN201-S



SN201-IH

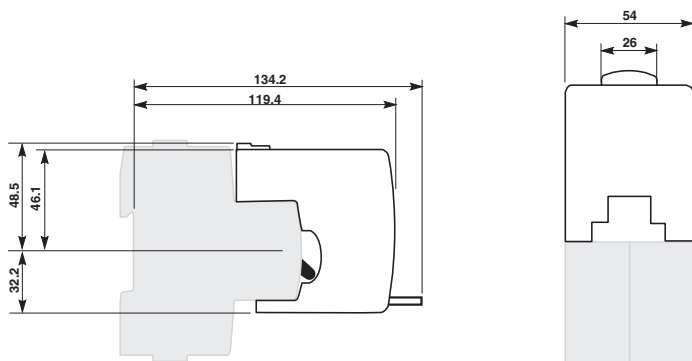


S800-AUX, S800-AUX/ALT



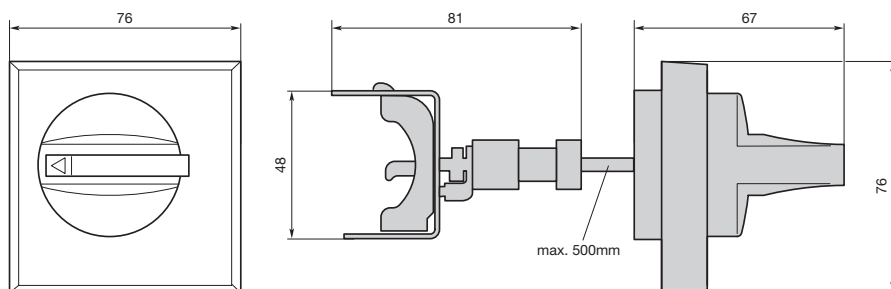
Dimensioni di ingombro

S800-RSU-H



S800-RD+S800-RHE, S800-NT, S800-BB250, S800-BBPC120

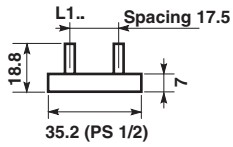
S800-RD+S800-RHE



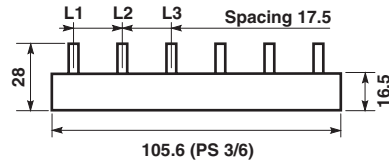
Dimensioni di ingombro

Barrette di collegamento

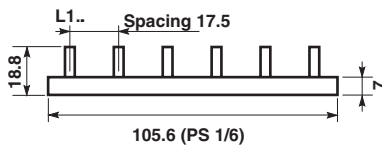
PS 1/2



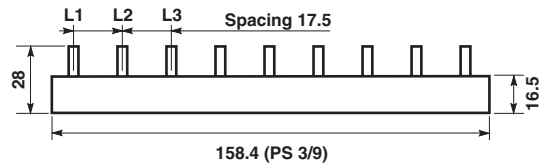
PS 3/6



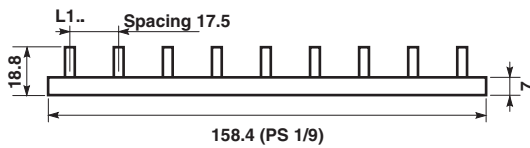
PS 1/6



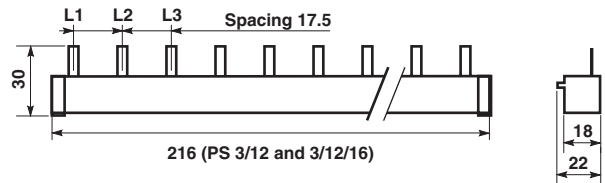
PS 3/9



PS 1/9



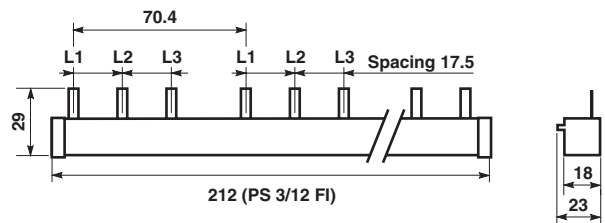
PS 3/12 (2CDL 230 001 R1012)



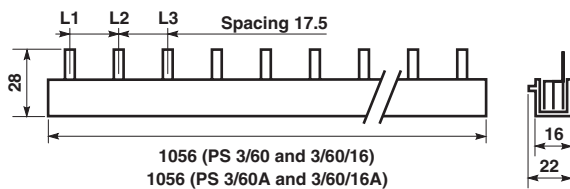
PS 1/12



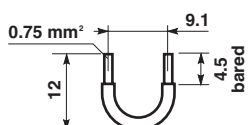
PS 3/12 FI (2CDL 230 002 R1012)



PS 3/60



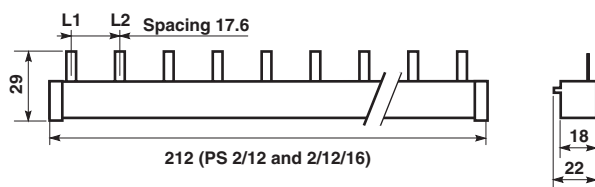
Ponte HKB contatto ausiliario



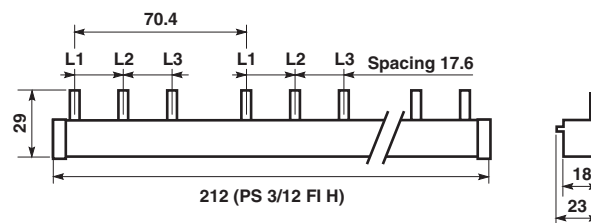


Dimensioni di ingombro

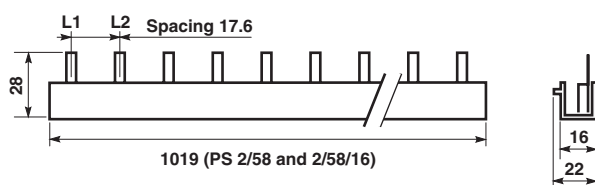
PS 2/12



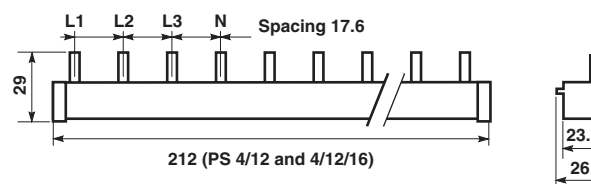
PS 3/12 FI H



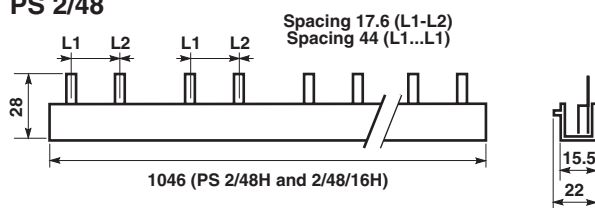
PS 2/58



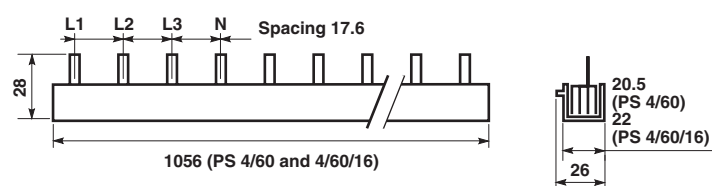
PS 4/12



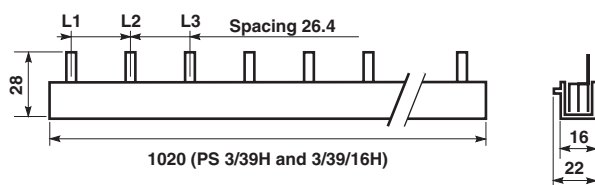
PS 2/48



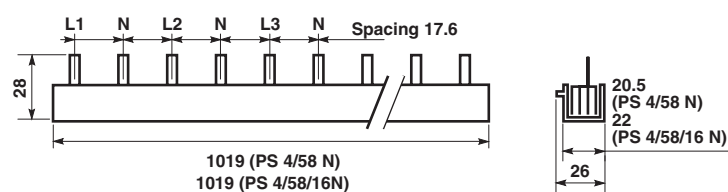
PS 4/60



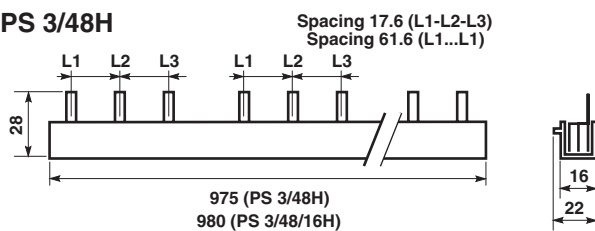
PS 3/39H



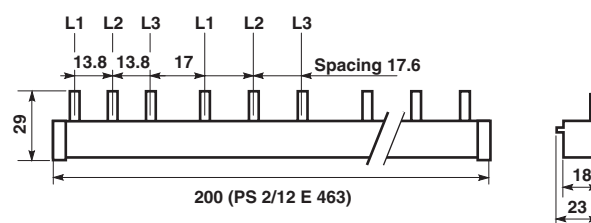
PS 4/58N



PS 3/48H

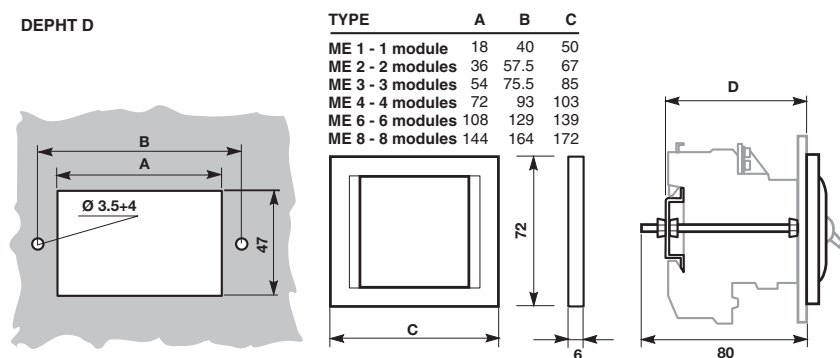


PS 3/12 E 463

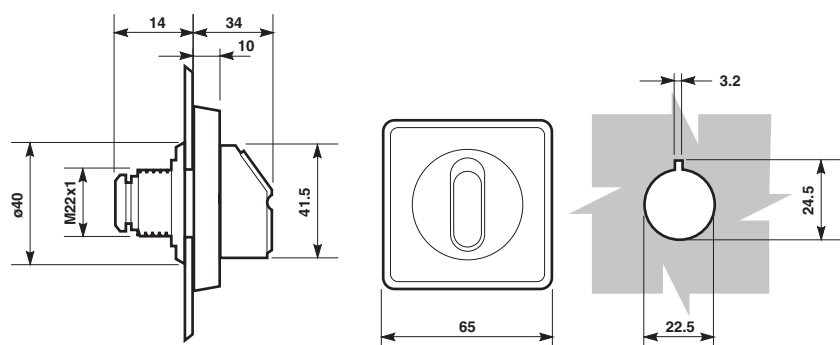


Dimensioni di ingombro

Flangia ME per montaggio su pannello posteriore



OH_2A_

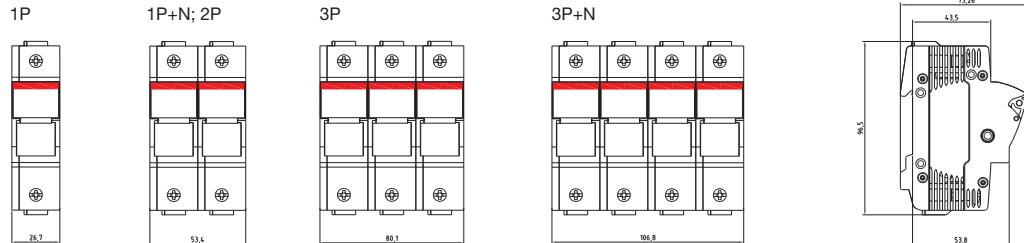




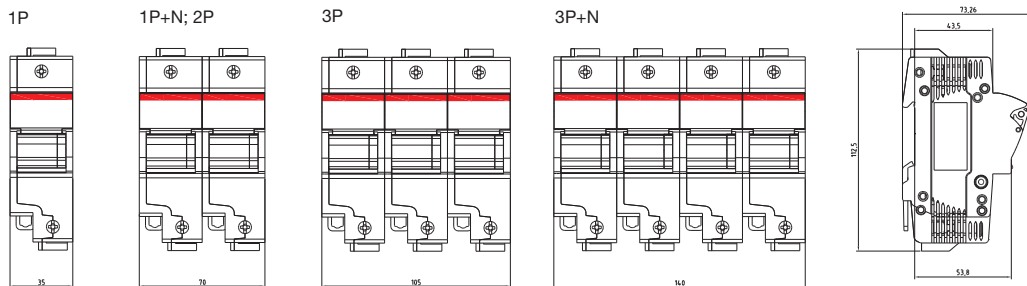
Dimensioni di ingombro

E90 50/125

E 90/50

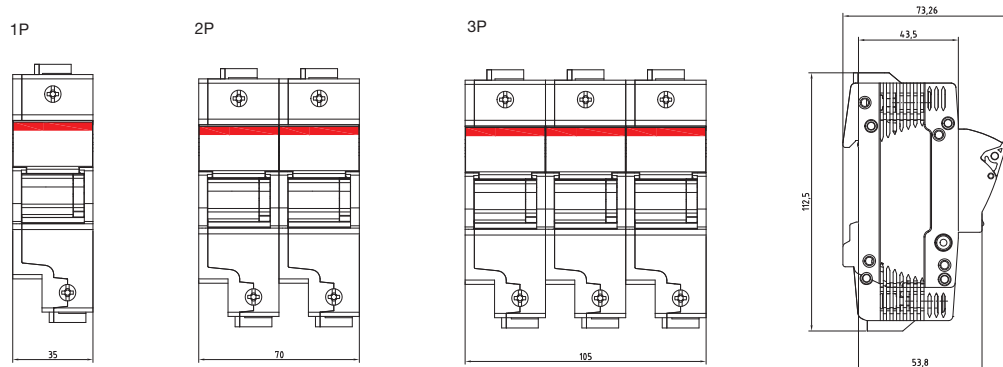


E 90/125

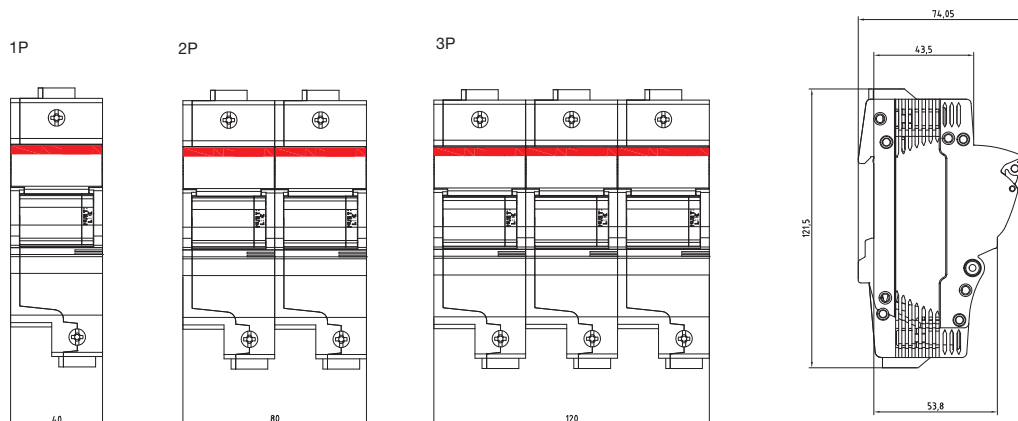


E90 30/60 classe J

E 90/30 classJ

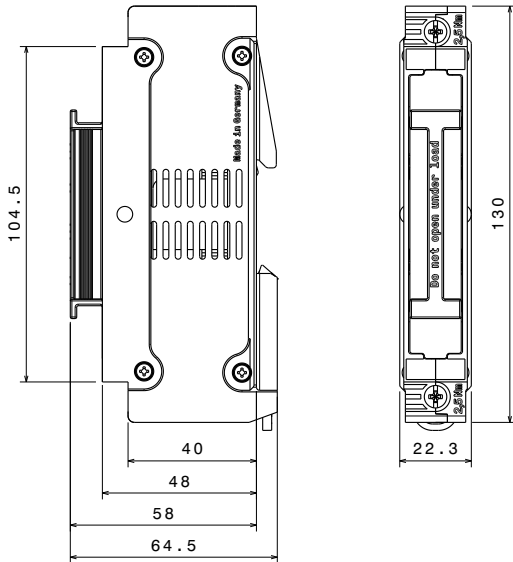


E 90/60 classJ

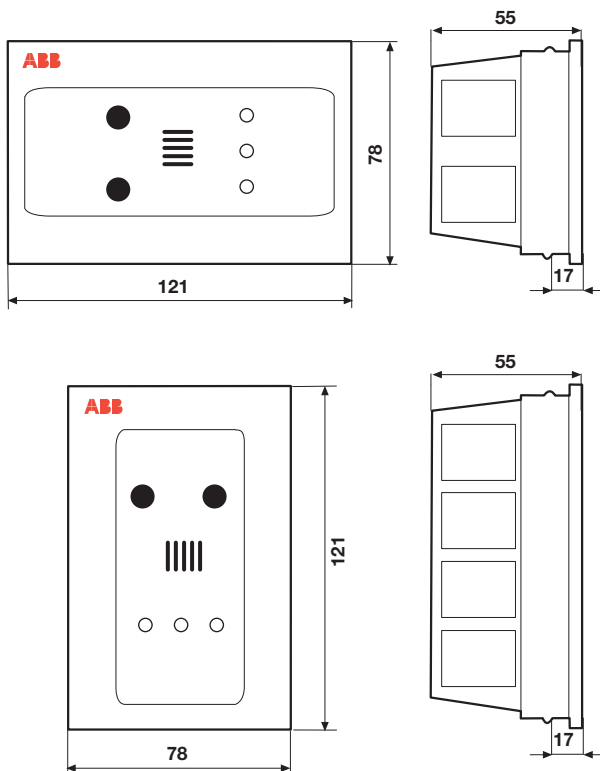


Dimensioni di ingombro

E90/32 PV 1500



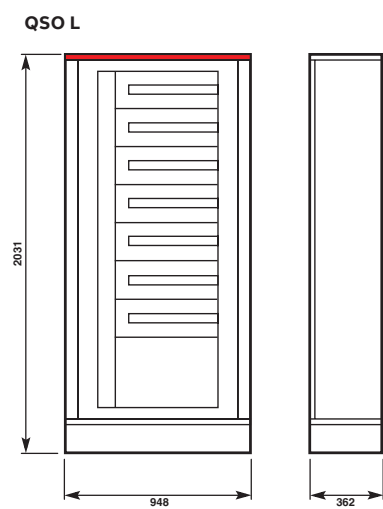
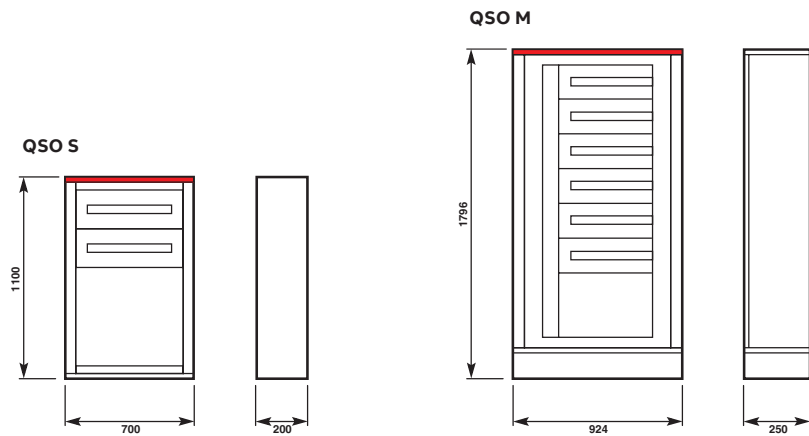
Pannello di segnalazione a distanza QSD



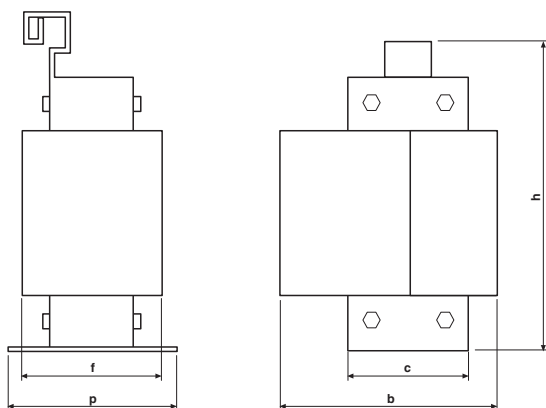


Dimensioni di ingombro

Quadri elettrici per sala operatoria QSO



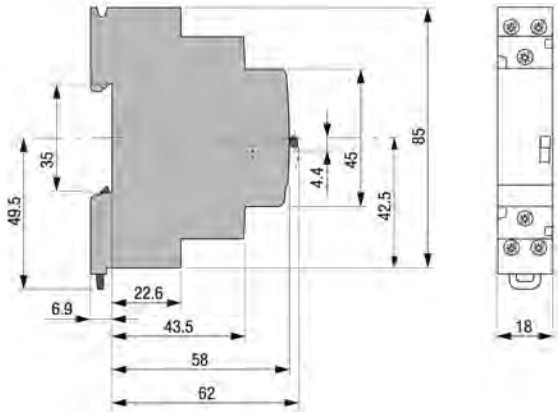
Trasformatori di isolamento per uso medico TI



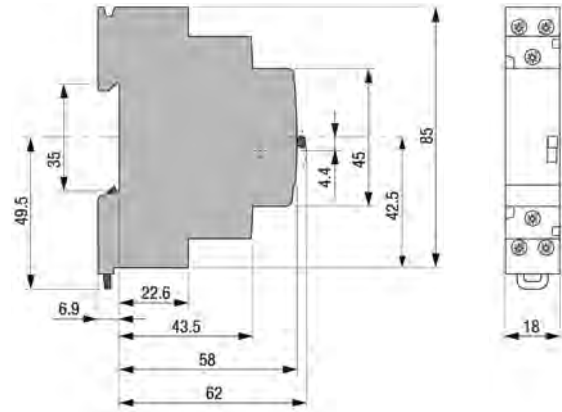
Dimensioni	Potenza nomin. [KVA]			
	3	5	7,5	10
b [mm]	205	240	240	280
c [mm]	170	170	170	176
f [mm]	115	115	115	173
h [mm]	340	380	380	380
p [mm]	150	150	160	260
Peso [kg]	29,5	44	50,5	73

Dimensioni di ingombro

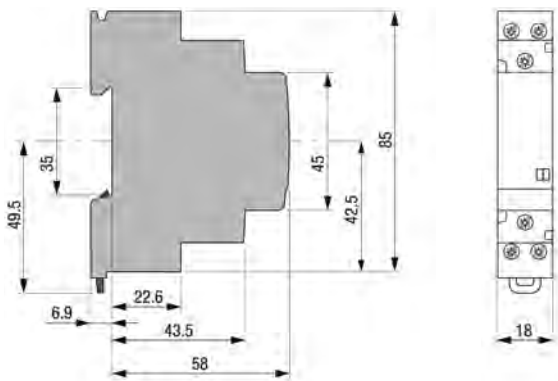
E290 Relè passo-passo



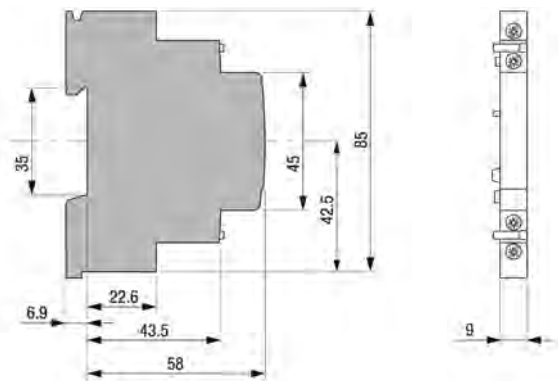
E297 Relè monostabili



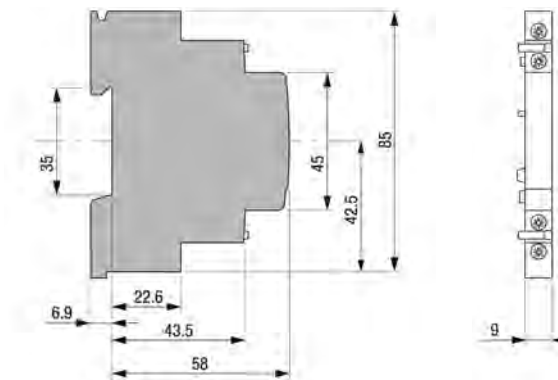
E291S Relè passo-passo sequenziali



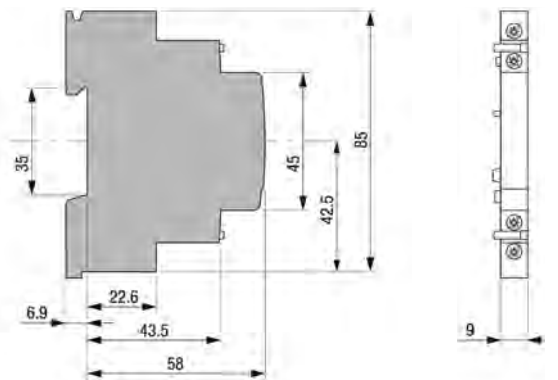
E298 Modulo contatto principale



E292 Modulo contatto principale



E299-11 Contatto ausiliario

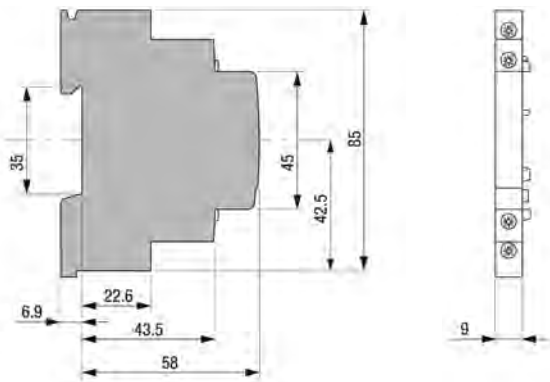




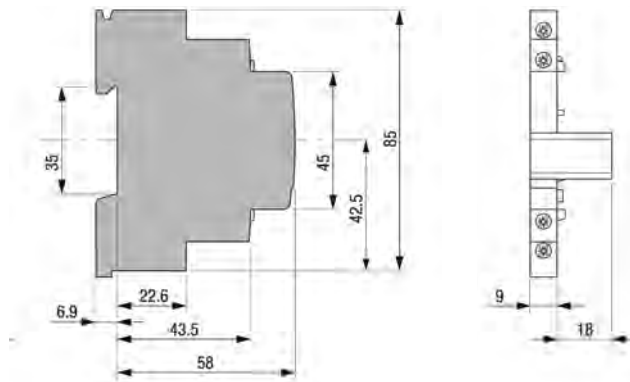
Dimensioni di ingombro

E293/X E293/X Modulo centrale di controllo ON-OFF

(per lo stesso potenziale di tensione di controllo)

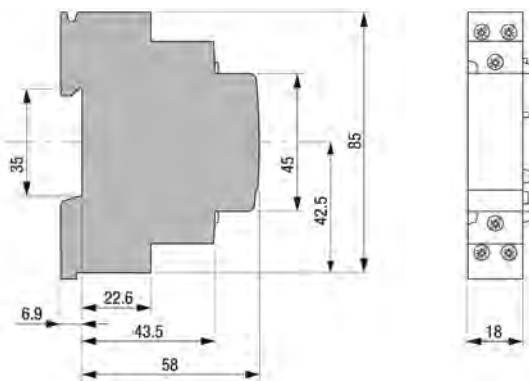


E295-PS Modulo segnale permanente

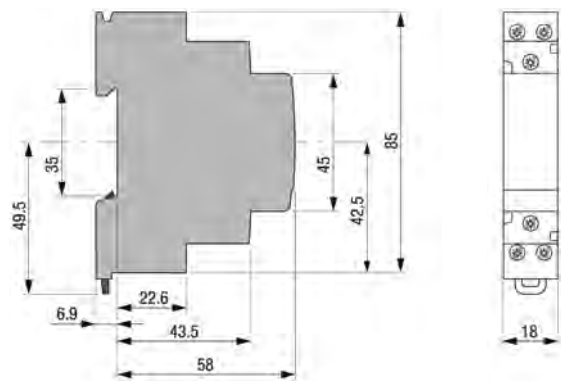


E294 Modulo centrale di controllo ON-OFF

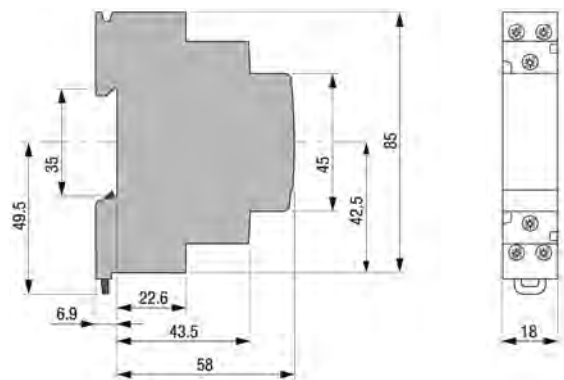
(per differente potenziale di tensione di controllo)



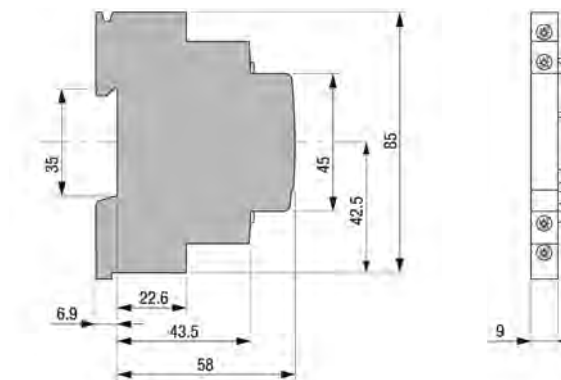
E296-CP Compensatore



E295-GM Modulo gruppo



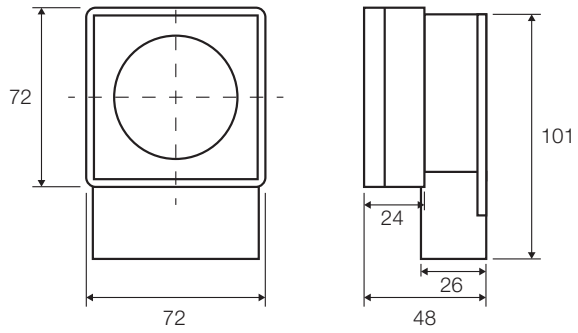
E299-11 Contatto ausiliario



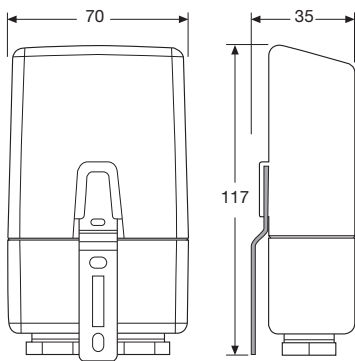
Dimensioni di ingombro

AT72e Interruttori orari elettromeccanici

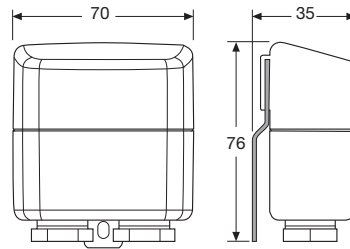
AT72e, AT72e-R, AT72e-7R



TL1 POLE



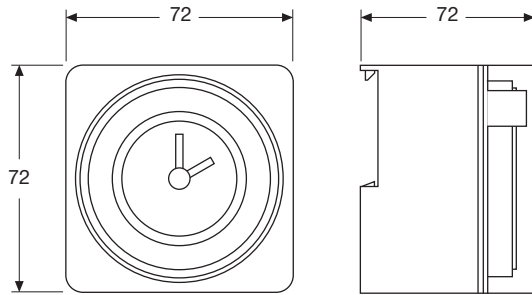
TLS



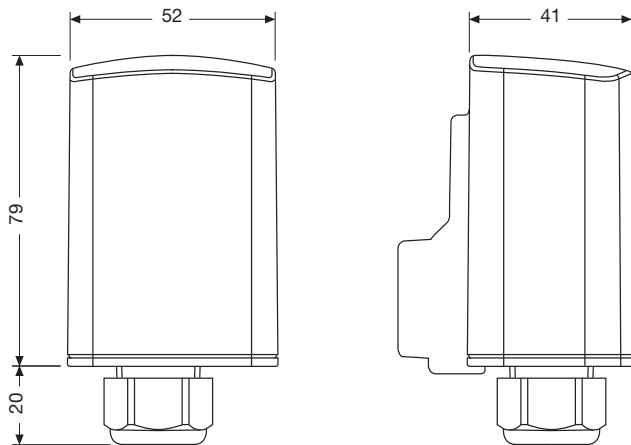


Dimensioni di ingombro

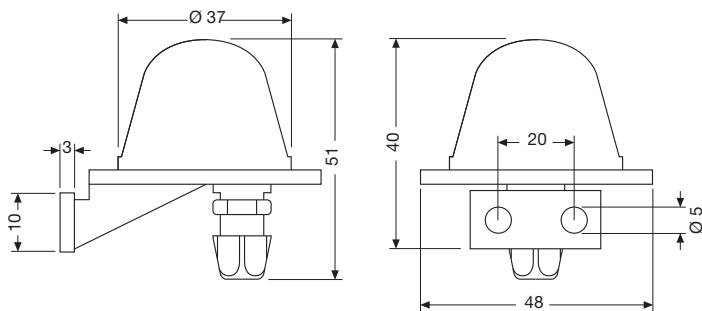
AD1-R-15m-72



DY DCF77 DY GPS



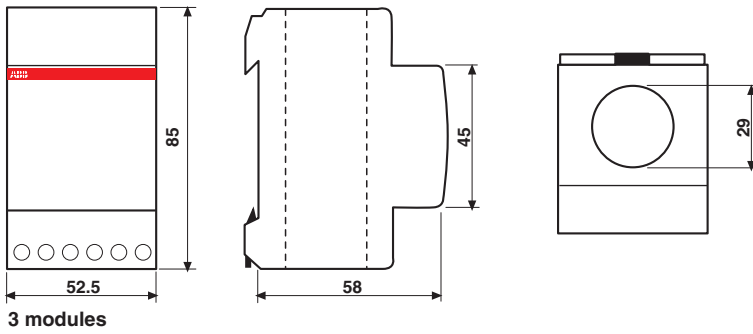
DWS



Dimensioni di ingombro

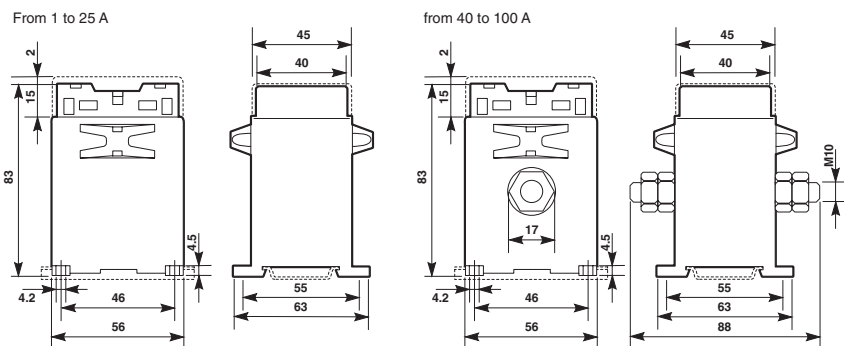
Trasformatori amperometrici a primario passante

TRF M



Trasformatori amperometrici adi tipo standard a primario avvolto

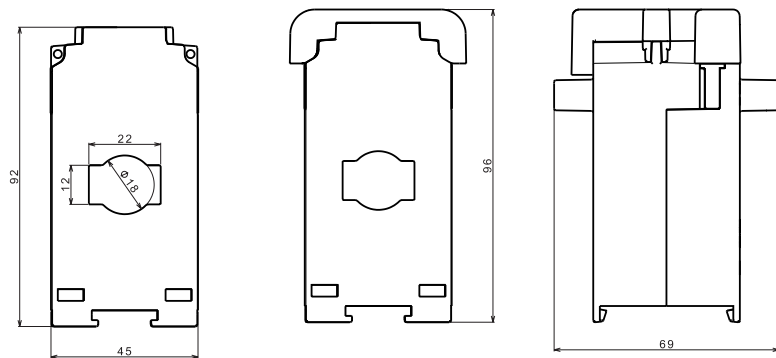
CTA



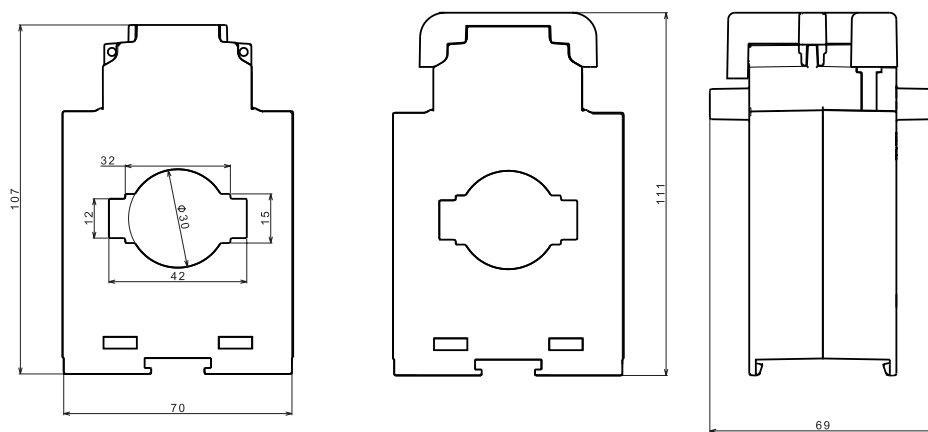
Dimensioni di ingombro

Trasformatori amperometrici ad tipo standard a primario passante

CT PRO XT

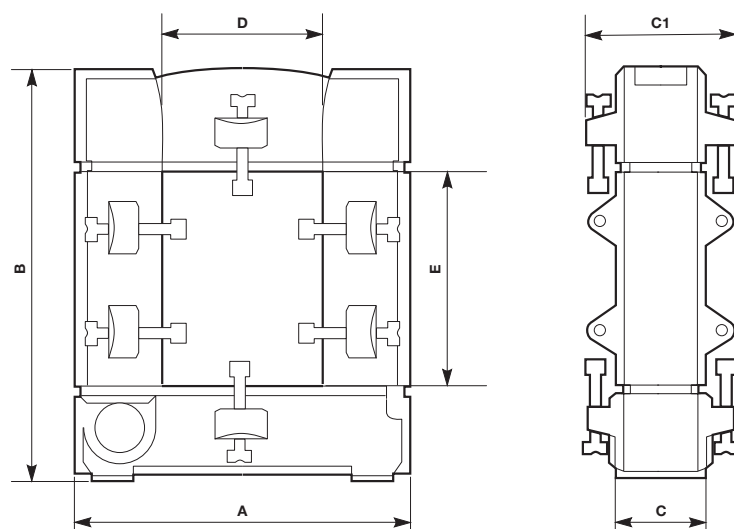


CT MAX



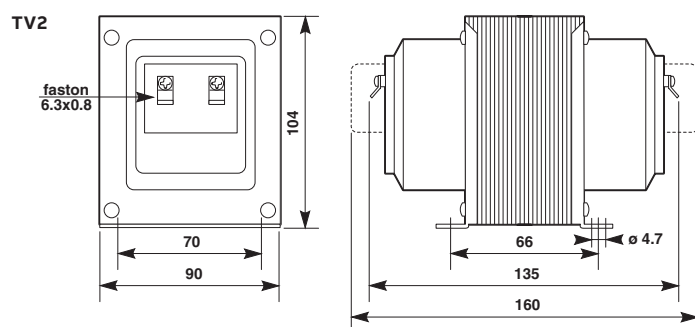
Dimensioni di ingombro

CTO



Tipo	A	B	C	C1	D	E
CT30...	93	106	34	58	20	30
CT80...	125	152	34	58	50	80
CT120...	155	198	34	58	80	120

Trasformatori voltmetrici

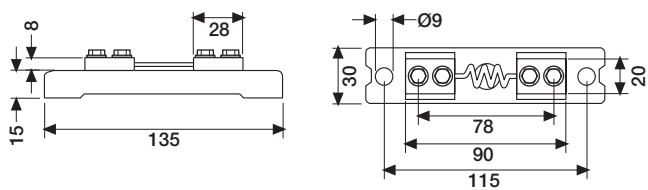




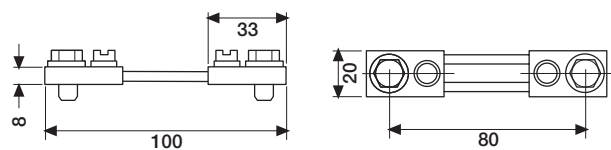
Dimensioni di ingombro

Derivatori per corrente continua (Shunt)

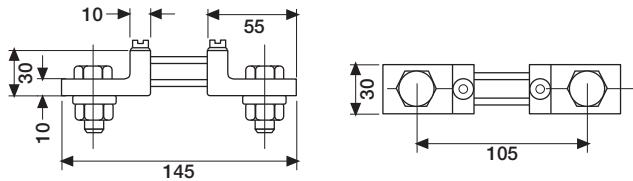
SNT1 ÷ 25 A/60 mV



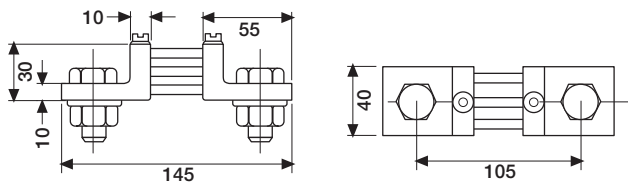
SNT30 ÷ 150 A/60 mV



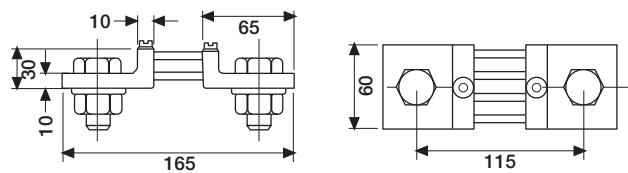
SNT200 ÷ 250 A/60 mV



SNT400 ÷ 600 A/60 mV



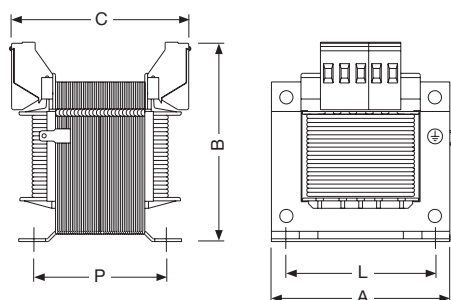
SNT800 ÷ 1000 A/60 mV



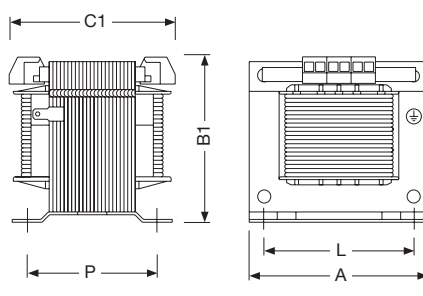
Dimensioni di ingombro

TM-C, TM-S, TM-I

from 50 up to 400 VA



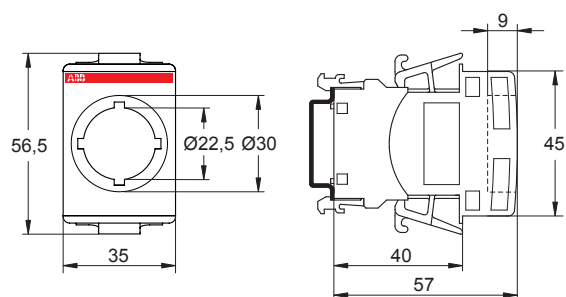
from 630 up to 2500 VA



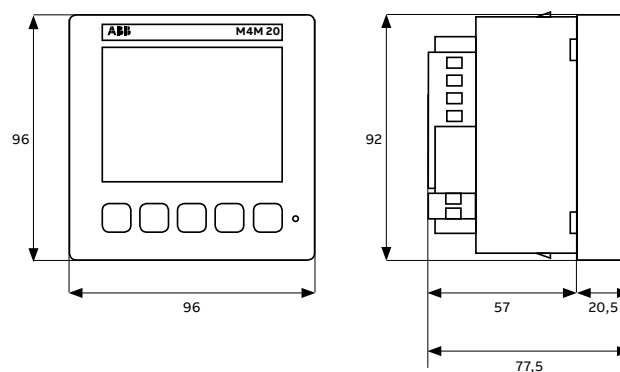
Trasformatori di comando, sicurezza e isolamento TM-C, TM-S e TM-I

Potenza (VA)	Figura	Dimensioni						Vite	Peso (Kg)	
		A	B	B1	C	C1	P			L
50	1	80	90	-	74	-	46	56	M4	1.1
100	1	86	96	-	87	-	63	64	M4	2
160	1	100	110	-	90	-	73	84	M5	3
200	1	100	110	-	90	-	73	84	M5	3.2
250	1	100	110	-	110	-	89	84	M5	3.6
320	1	123	122	-	102	-	73	90	M5	4.4
400	1	123	122	-	112	-	85	90	M5	5.5
630	2	154	-	150	-	126	90	122	M6	7.8
1000	2	155	-	150	-	168	133	122	M6	13.2
1600	2	200	-	195	-	200	125	155	M8	21.2
2000	2	200	-	195	-	230	143	155	M8	25.5
2500	2	200	-	195	-	230	153	155	M8	26.8

MA1-8001 Adattatori per profilati DIN











M4M



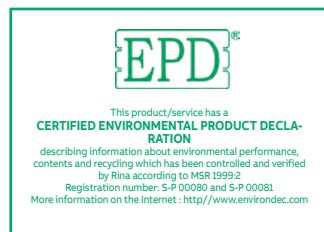


Marchi e approvazioni interruttori magnetotermici e differenziali

Questa è la situazione attuale per quanto riguarda i marchi e le approvazioni in tutto il mondo per i prodotti modulari ABB System pro M compact. Sebbene alcuni prodotti abbiano già ottenuto alcune approvazioni o certificati, questi non necessariamente recano i marchi sul prodotto.

				
	AENOR - Spain	BBJ - Poland	BSMI - Taiwan	CCC - China
				
S 200	■ S 200	■ S 200	■ S 200	■ S 200
S 200M	■ S 200M	■ S 200M	■ S 200M	■ S 200M
S 200M UC				
S 300 P			■ S 300 P	■ S 300 P
S 200 UDC				
S 200 80-100 A				■ S 200 80-100 A
SN 201				■ SN 201
S 750 DR				
S 800				■ S 800
F 200	■ F 200	■ F 200 ③		
DDA 200				
DS 200				
DS201				■ DS201
DS202CR				■ DS202CR
DS203NC				■ DS203NC
DS301C L				■ DS301C L
DDA 800				
F-ATI Test				
F-ARI Test				
SN201-S, SN201-IH				■ SN201-S, SN201-IH

La gamma F200 ha ottenuto la dichiarazione EPD (Environmental Product Declaration) secondo la ISO 14040



Legenda:

- Ottenuto
- In fase di ottenimento
- ① Protezione aggiuntiva
- ② Protezione del circuito derivato
- ③ Solo DS202C M Tipo A e APR

Per verificare lo stato di approvazione nel vostro paese, potete fare riferimento ai contatti in ultima pagina.



CEBEC - Belgium



- S 200
- S 200M
- S 300 P



CERTIF - Portugal



- S 200
- S 200M
- S 300 P



CSA - Canada



- S 200M ①
- S 300 P ①
- S 200 UDC ②



DEMKO - Denmark



- S 200
- S 200M



EZU - Czech Republic



- S 200
- S 200M
- S 300 P



FIMKO - Finland



- S 200
- S 200M
- S 300 P

■ F 200






■ F 200

■ F 200

■ DS301C L

















Marchi e approvazioni interruttori magnetotermici e differenziali

			
	EAC - Russia	IIS - Israel	IMQ - Italy
			
S 200	■ S 200	■ S 200	■ S 200
S 200M	■ S 200M		■ S 200M
S 200M UC			
S 300 P	■ S 300 P		■ S 300 P
S 200 UDC			
S 200 80-100 A	■ S 200 80-100 A		■ S 200 80-100 A
SN 201		■ SN 201	■ SN 201
S 750 DR	■ S 750 DR		
S 800	■ S 800		
F 200	■ F 200	■ F 200	■ F 200
DDA 200	■ DDA 200	■ DDA 200	■ DDA 200
DS 200			
DS201	■ DS201	■ DS201	■ DS201
DS202CR			■ DS301CR
DS203NC	■ DS203NC	■ DS203NC	■ DS203NC
DS301C L			■ DS301C L
DDA 800			
F2C..	■ F2C..		
S 290 accessori	■ S 290 accessori		
S-ARC1			■ S-ARC1
DS-ARC1			■ DS-ARC1

Legenda:









- Ottenuto
- In fase di ottenimento
- ① Protezione aggiuntiva
- ② Protezione del circuito derivato
- ③ Disponibile per F200 per mercati oltreoceano

Per verificare lo stato di approvazione nel vostro paese, potete fare riferimento ai contatti in ultima pagina.

						
IMQ CSV - Italy	IRAM - Argentina	KC - South Korea	KEMA - Netherland	LCIE - France	NEMKO - Norway	OVE - Austria
						
	■ S 200	■ S 200	■ S 200	■ S 200	■ S 200	■ S 200
			■ S 200M	■ S 200M	■ S 200M	■ S 200M
		■ S 300 P	■ S 300 P	■ S 300 P	■ S 300 P	■ S 300 P
			■ SN 201	■ SN 201		
		■ S 800				
	■ F 200 ③		■ F 200	■ F 200		■ F 200
				■ DDA 200		
		■ DS201	■ DS201	■ DS201		■ DS201
		■ DS301CR		■ DS301CR		
			■ DS203NC			
			■ DS301C L	■ DS301C L		■ DS301C L













Marchi e approvazioni interruttori magnetotermici e differenziali

				
	HDB/PSB - Singapore	SABS - South Africa	SEMKO - Sweden	SEV - Switzerland
				
S 200	■ S 200	■ S 200	■ S 200	■ S 200
S 200M	■ S 200M		■ S 200M	■ S 200M
S 200M UC				
S 300 P			■ S 300 P	■ S 300 P
S 200 UDC				
S 200 80-100 A		■ S 200 80-100 A		
SN 201				
S 750 DR				
S 800				■ S 800
F 200	■ F 200 ③	■ F 200 ③		■ F 200
DDA 200		■ DDA 200		
DS 200				
DS201				■ DS201
DS202CR				
DS203NC				
DS301C L				■ DS301C L
DDA 800				
F-ATI Test				
F-ARI Test				
S-ARC1				
DS-ARC1				

Legenda:







- Ottenuto
- In fase di ottenimento
- ① Protezione aggiuntiva
- ② Protezione del circuito derivato
- ③ Non disponibile per F200 con neutro sinistra.

Per verificare lo stato di approvazione nel vostro paese, potete fare riferimento ai contatti in ultima pagina.

					
SIQ - Slovenia	SIRIM - Malaysia	UL - USA			VDE - Germany
					
■ S 200	■ S 200		■ S 200 ①		■ S 200
■ S 200M	■ S 200M	■ S 200M ①			■ S 200M
					■ S 200M UC
			■ S 300 P ①		■ S 300 P
				■ S 200 UDC ②	
					■ S 750 DR
		■ S 800		■ S800S	■ S 800
		■ F 200 ③			■ F 200
					■ DS 200
					■ DS201
					■ DS202CR
					■ DS203NC
					■ DS301C L
					■ F-ATI Test
					■ S-ARC1
					■ DS-ARC1



Marchi e approvazioni interruttori magnetotermici e differenziali

	RIVER	MARINE	MARINE
			
	RRR - Russia	ABS - USA	DNV-GL - Germany
			
S 200		■ S 200	■ S 200
S 200M		■ S 200M	■ S 200M
S 300 P			■ S 300 P
S 200 UDC			
S 200 80-100 A			
SN 201			■ SN 201
S 750 DR			
S 800			■ S 800
F 200			■ F 200 ①
F 204 B			
DDA 200			
DS201		■ DS201, DS201 M, DS201 M 110 V	■ DS201, DS201 M, DS201 M 110 V
DS202C		■ DS202C M, DS202C M 110 V	■ DS202C M, DS202C M 110 V
DS203NC			
DDA 200			
DDA 800			
DS 200			
DS201		■ DS201, DS201 M, DS201 M 110 V	■ DS201, DS201 M, DS201 M 110 V
DS202CR		■ DS202CR M, DS202CR M 110 V	■ DS202CR M, DS202CR M 110 V
DS203NC			
DS301C L			
F-ATI Test			
F-ARI Test			







Legenda:

■ Ottenuto

● In fase di ottenimento

① Non disponibile per F200
con neutro sinistra.

Per verificare lo stato di approvazione
nel vostro paese, potete fare riferi-
mento ai contatti in ultima pagina.

MARINE	MARINE	MARINE
		
LRS - Great Britain	RINA - Italy	RMRS - Russia
		
■ S 200	■ S 200	■ S 200
■ S 200M	■ S 200M	■ S 200M
■ S 300 P	■ S 300 P	■ S 300 P
■ S 800	■ S 800	■ S 800
	■ DDA 200 110 V	
	■ DS201 M 110 V	■ DS201, DS201 M, DS201 M 110 V
	■ DS202C M, DS202C M 110 V	■ DS202C M, DS202C M 110 V
		■ DS 200
	■ DS201 M 110 V	■ DS201, DS201 M, DS201 M 110 V
	■ DS202CR M, DS202CR M 110 V	



Marchi e approvazioni

									
	BSI UK	CCC China	CEBEC Belgium	ENEC Europe	EAC Russia	GOST Russia	IMQ Italy	KEMA Netherland	NF France
									
OVR					■ OVR T1- T2, T2 e T2- T3	■ OVR T2			■ OVR T1- T2, T2 e T2- T3
RD						■ RD			
TR-TRM						■ TR-TRM			
E 90		■ E90 ③, E90h ③ E90 PV*			■ E90, E90h, E90 PV*		■ E90 ③, E90h ③		■ E90 ⑤, E90h ⑥
E90 50/125		■ E90 50/125			■ E90 50/125				
E90									
SD 200		■ SD 200			■ SD 200			■ SD 200	
E210		■ E210 ②			■ E210				
ESB		■ ESB							
EN		■ EN							
E290					■ E290				
E297					■ E297				
E 260					■ E 260				
E 234		■ E 234				■ E 234			
AG					■ AG				
DBT					■ DBT				
E 232					■ E 232				
TL line					■ T line				

Legenda:

- Ottenuto per l'intera gamma
 - In fase di ottenimento
 - ① Eccetto ESB/EN 20
 - ② Per la serie E219 il marchio CCC non è necessario
 - ③ Solo versione senza LED
 - ⑤ Versione senza neutro
 - ⑥ Gamma specifica con neutro a sinistra
 - ⑦ IMQ disponibile per TM fino a 30 VA
 - ⑧ VDE disponibile solo su M1175 (sversione grigia standard e M1175-C (con coperchio))
- * solo E90 PV 1000 V c.c.

SEV
SwissUL/CSA
USA/
CanadaUL/CSA
USA/
CanadaVDE
GermanyBV/F
FranceGL/D
GermanyLRS
Great
BritainRINA
ItalyRMRS
RussiaKR
Korea■ OVR T2
40 275■ E90 PV,
E90 CC

■ E90

■ E90,
E90h,
E90 PV*■ E90 ③,
E90h ③■ E90 ③,
E90h ③

■ E90

■ E90
50/125■ E90
50/125■ E90
50/125■ E90
50/125

■ E90 J

■ SD 200

■ E210

■ E210

■ ESB

■ ESB ①

■ ESB ①

■ EN

■ EN ①

■ EN ①

■ E290

■ E290 60
Hz

■ E297



















■ E 260

■ E 234

■ E 232



Marchi e approvazioni

									
	BSI UK	CCC China	CEBEC Belgium	ENEC Europe	EAC Russia	GOST Russia	IMQ Italy	KEMA Netherland	NF France
									
LCR						■ LCR			
SQZ3						■ SQZ3			
CT / CTA / TRFM						■ CT/CTA/ TRFM			
HMT						■ HMT			
TM						■ TM	■ TM ⑦		
TS						■ TS			
TS-C				■ TS-C		■ TS-C			
TSM/TSR						■ TSM/TSR			
SM/RM						■ SM/RM			
M1170						■ M1170			
M1173						■ M1173	■ M1173		
M1174			■ M1174			■ M1174			■ M1174
M1175						■ M1175			
M1363	■ M1363								
M1011									
M1011									
TM-C, TM-I, TM-S				■ TM-C, TM-I, TM-S		■ TM-C, TM-I, TM-S			

Legenda:

■ Ottenuto per l'intera gamma

● In fase di ottenimento

① Eccetto ESB/EN 20

② Per la serie E219 il marchio CCC non è necessario

③ Solo versione senza LED

④ Gamma specifica per il mercato cinese

⑤ Versione senza neutro

⑥ Gamma specifica con neutro a sinistra



SEV
Swiss



UL/CSA
USA/
Canada



UL/CSA
USA/
Canada



VDE
Germany



BV/F
France



GL/D
Germany



LRS
Great
Britain



RINA
Italy



RMRS
Russia



KR
Korea



■ TS

■ M1175 ®

■ M1011

■ TM-C,
TM-I, TM-S