

Surge-Trap® Estraibile Tipo 2+3 - 20 kA

IEC SPD

DIN RAIL IEC TIPO 2+3 / CLASSE II+III



STP T23 20 è la serie di dispositivi combinati Tipo 2+3/Classe II+III per lo scarico delle sovratensioni, che forniscono un livello di protezione accurata di tensione, secondo la EN/IEC 61643.

È adatto per la fase finale della protezione in quadri con dispositivi di protezione Tipo 2 installati a monte come gli scaricatori STP T2 40. Questi scaricatori devono essere installati il più vicino possibile al dispositivo da proteggere.

PRESENTAZIONE DATI TECNICI

Classe	Tipo 2+3 / Classe II+III
U_n	120/208V, 230/400V, 277/480V, 400/690V
I_{max}	20 kA
I_n (8/20)	10 kA
Impulso di tensione combinato U_{oc}	10 kV
Corpo materiale	PA66 CT1; V-0
Tipo sistema	TT, TNS, TNC, IT
Numero poli	1,2,3,4
Format	Estraibile
I_{cc}	25 kA
Codice IP	20
Fusibile back-up	63 A gG
Sezione cavo rigido	6 ... 25 mm ²
Sezione cavo rigido	6 ... 35 mm ²
Tempo di risposta	25 ns
Filtro EMI modo differenziale	< 0 db

CARATTERISTICHE E VANTAGGI

- Massima corrente di scarica (8/20μs): 20kA per fase
- Corrente nominale di scarica (8/20μs): 10kA per fase
- Impulso di tensione combinato U_{oc} (1.2/50μs): 10 kV
- Reti TNS, TNC, TT e IT
- $U_n(L-N/L-L)$: 120/208V, 230/400V, 277/480V e 400/690V
- Innovative soluzioni (LCF) per Power Line Communications
- Montaggio su guida DIN, estraibile
- Segnalazione visiva e remota di fine vita
- Chassis reversibile per consentire l'entrata dei cavi dall'alto o dal basso
- Cartucce meccanicamente codificate per evitare eventuali errori nella sostituzione delle cartucce
- Fusibile back-up: 63 A gG

APPLICAZIONI

- Industria e automazione
- Per installazioni commerciali e residenziali
- Telecomunicazioni e data centers
- Illuminazione a led per esterno
- Trattamento acque
- Sistemi di misurazione
- Fotovoltaico ed eolico

OMOLOGAZIONI

- IEC 61643-11
- EN 61643-11



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GAMMA PRODOTTI



STPT23-20K320V-
1PM

1 Polo

Numero di catalogo	Numero riferimento	U _n	U _c	I _{max} (8/20)	I _n (8/20)	U _{oc}	U _p at I _n	Remoto	Cartuccia	
									L-N	N-PE
L-N (1Ph)										
STPT23-20K150V-1P	83230100	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV	No	SP23-20K150V	-
STPT23-20K150V-1PM	83230101	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV	Si	SP23-20K150V	-
STPT23-20K320V-1P	83230102	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV	No	SP23-20K320V	-
STPT23-20K320V-1PM	83230103	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV	Si	SP23-20K320V	-
STPT23-20K440V-1P	83230104	400 VAC	440 V	20 kA	10 kA	10 kV	≤ 2 kV	No	SP23-20K440V	-
STPT23-20K440V-1PM	83230105	400 VAC	440 V	20 kA	10 kA	10 kV	≤ 2 kV	Si	SP23-20K440V	-
N-PE (N)										
STPT23-20K-N	83230106	Neutro	255 V	20 kA	10 kA	10 kV	≤ 1,5 kV	No	-	SP23-20K-N

Surge-Trap® Estraibile Tipo 2+3 - 20 kA

GAMMA PRODOTTI



STPT23-20K320V-
2PM

2 Poli

Numero di catalogo	Numero riferimento	U _n	U _c	I _{max} (8/20)	I _n (8/20)	U _{oc}	U _p at I _n	Remoto	Cartuccia	
									L-N	N-PE
TT (1Ph+N)										
STPT23-20K150V-2PG	83230108	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV (L-N) ≤ 1,5 kV (N-PE)	No	SP23-20K150V	SP23-20K-N
STPT23-20K150V-2PGM	83230109	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV (L-N) ≤ 1,5 kV (N-PE)	Si	SP23-20K150V	SP23-20K-N
STPT23-20K275V-2PG-LF	83230110	230 VAC	275 V	20 kA	10 kA	10 kV	≤ 1,5 kV (L-N) ≤ 1,5 kV (N-PE)	No	SP23-20K275V-LF	SP23-20K-N
STPT23-20K275V-2PG-LFM	83230111	230 VAC	275 V	20 kA	10 kA	10 kV	≤ 1,5 kV (L-N) ≤ 1,5 kV (N-PE)	Si	SP23-20K275V-LF	SP23-20K-N
STPT23-20K320V-2PG	83230112	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV (L-N) ≤ 1,5 kV (N-PE)	No	SP23-20K320V	SP23-20K-N
STPT23-20K320V-2PGM	83230113	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV (L-N) ≤ 1,5 kV (N-PE)	Si	SP23-20K320V	SP23-20K-N
TNS (1Ph+N)										
STPT23-20K150V-2P	83230114	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV	No	SP23-20K150V	-
STPT23-20K150V-2PM	83230115	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV	Si	SP23-20K150V	-
STPT23-20K275V-2P-LF	83230134	230 VAC	275 V	20 kA	10 kA	10 kV	≤ 1,5 kV	No	SP23-20K275V-LF	-
STPT23-20K275V-2P-LFM	83230135	230 VAC	275 V	20 kA	10 kA	10 kV	≤ 1,5 kV	Si	SP23-20K275V-LF	-
STPT23-20K320V-2P	83230116	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV	No	SP23-20K320V	-
STPT23-20K320V-2PM	83230117	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV	Si	SP23-20K320V	-



STPT23-20K320V-
3PM

3 Poli

Numero di catalogo	Numero riferimento	U _n	U _c	I _{max} (8/20)	I _n (8/20)	U _{oc}	U _p at I _n	Remoto	Cartuccia
									L-N
TNC (3Ph)									
STPT23-20K150V-3P	83230118	208 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV	No	SP23-20K150V
STPT23-20K150V-3PM	83230119	208 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV	Si	SP23-20K150V
STPT23-20K275V-3P-LF	83230120	400 VAC	275 V	20 kA	10 kA	10 kV	≤ 1,5 kV	No	SP23-20K275V-LF
STPT23-20K275V-3P-LFM	83230121	400 VAC	275 V	20 kA	10 kA	10 kV	≤ 1,5 kV	Si	SP23-20K275V-LF
STPT23-20K320V-3P	83230122	400 VAC 480 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV	No	SP23-20K320V
STPT23-20K320V-3PM	83230123	400 VAC 480 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV	Si	SP23-20K320V

Surge-Trap® Estraibile Tipo 2+3 - 20 kA

GAMMA PRODOTTI



STPT23-20K320V-4PM

4 Poli

Numero di catalogo	Numero riferimento	U _n	U _c	I _{max} (8/20)	I _n (8/20)	U _{oc}	U _p at I _n	Remoto	Cartuccia		
									L-N	N-PE	
TT (3Ph+N)											
STPT23-20K150V-4PG	83230124	120/208 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV (L-N) ≤ 1,5 kV (N-PE)	No	SP23-20K150V	SP23-20K-N	
STPT23-20K150V-4PGM	83230125	120/208 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV (L-N) ≤ 1,5 kV (N-PE)	Si	SP23-20K150V	SP23-20K-N	
STPT23-20K275V-4PG-LF	83230126	230/400 VAC	275 V	20 kA	10 kA	10 kV	≤ 1,5 kV (L-N) ≤ 1,5 kV (N-PE)	No	SP23-20K275V-LF	SP23-20K-N	
STPT23-20K275V-4PG-LFM	83230127	230/400 VAC	275 V	20 kA	10 kA	10 kV	≤ 1,5 kV (L-N) ≤ 1,5 kV (N-PE)	Si	SP23-20K275V-LF	SP23-20K-N	
STPT23-20K320V-4PG	83230128	230/400 VAC 277/400 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV (L-N) ≤ 1,5 kV (N-PE)	No	SP23-20K320V	SP23-20K-N	
STPT23-20K320V-4PGM	83230129	230/400 VAC 277/400 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV (L-N) ≤ 1,5 kV (N-PE)	Si	SP23-20K320V	SP23-20K-N	
TNS (3Ph+N)											
STPT23-20K150V-4P	83230130	120/208 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV	No	SP23-20K150V	-	
STPT23-20K150V-4PM	83230131	120/208 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV	Si	SP23-20K150V	-	
STPT23-20K275V-4P-LF	83230136	230/400 VAC	275 V	20 kA	10 kA	10 kV	≤ 1,5 kV	No	SP23-20K275V-LF	-	
STPT23-20K275V-4P-LFM	83230137	230/400 VAC	275 V	20 kA	10 kA	10 kV	≤ 1,5 kV	Si	SP23-20K275V-LF	-	
STPT23-20K320V-4P	83230132	230/400 VAC 277/400 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV	No	SP23-20K320V	-	
STPT23-20K320V-4PM	83230133	230/400 VAC 277/400 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV	Si	SP23-20K320V	-	



SP23-20K320V

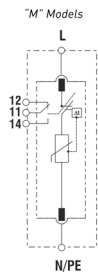
Ricambio cartuccia

Numero di catalogo	Numero riferimento	U _n	U _c	I _{max} (8/20)	I _n (8/20)	U _{oc}	U _p at I _n
L-N							
SP23-20K150V	83230001	120 VAC	150 V	20 kA	10 kA	10 kV	≤ 0,8 kV
SP23-20K275V-LF	83230003	230 VAC	275 V	20 kA	10 kA	10 kV	≤ 1,5 kV
SP23-20K320V	83230002	230 VAC 277 VAC	320 V	20 kA	10 kA	10 kV	≤ 1,4 kV
SP23-20K440V	83230004	400 VAC	440 V	20 kA	10 kA	10 kV	≤ 2 kV
N-PE							
SP23-20K-N	83230000	Neutro	255 V	20 kA	10 kA	10 kV	≤ 1,5 kV

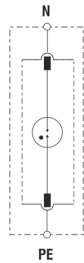
Surge-Trap® Estraibile Tipo 2+3 - 20 kA

SCHEMA ELETTRICO

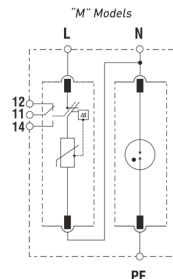
L-N (1Ph)



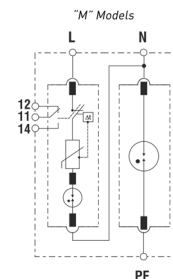
N-PE (N)



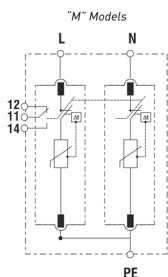
TT (1Ph+N) - 2PG



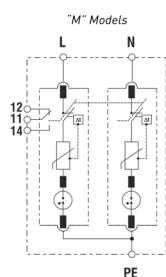
TT LF (1Ph+N) - 2PG



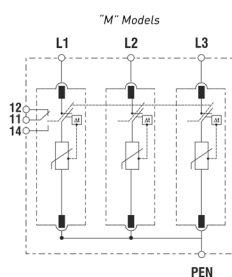
TNS (1Ph+N) - 2P



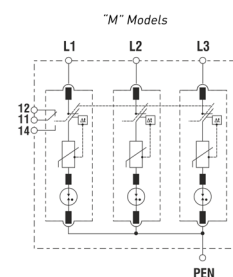
TNS LF (1Ph+N) - 2P



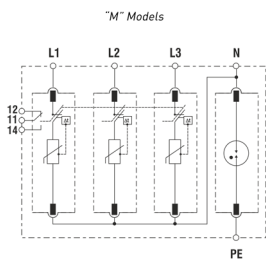
TNC (3Ph) - 3P



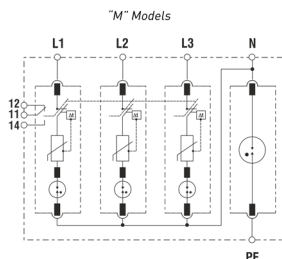
TNC LF (3Ph) - 3P



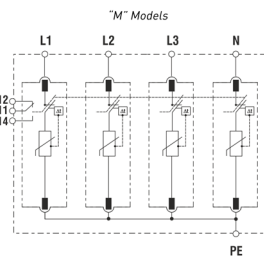
TT (3Ph+N) - 4PG



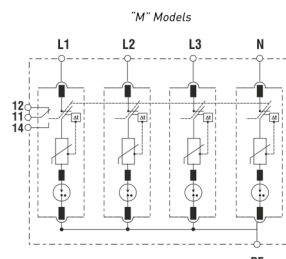
TT LF (3Ph+N) - 4PG



TNS (3Ph+N) - 4P

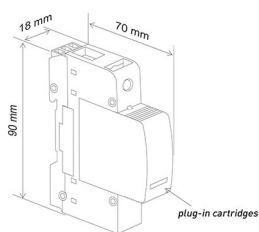


TNS LF (3Ph+N) - 4P

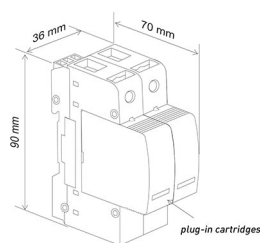


DIMENSIONI

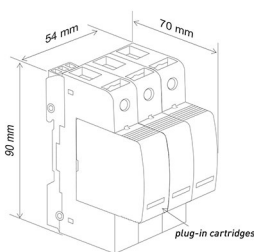
1 Polo



2 Poli



3 Poli



4 Poli

