Surge-Trap® POP + SPD Type 2 – For Contactor

POWER FREQUENCY OVERVOLTAGE PROTECTION FOR POWER LINES

COMBINED SPD + POP

POP CT is the series of combined power frequency overvoltage protection (POP) and surge protection device for discharging surge current in the first step of protection according to EN/IEC 61643-11.

Intended for actuation on the contactor of an installation (not included). Suitable for the first stage of protection in commercial or other applications not exposed to direct strikes and with no external lightning protection system. These devices are suitable for installation in lighting panels.

TECHNICAL DATA OVERVIEW

Class	Type 2 / Class II
U_n	230/400V
U_c	400 V
Imax	40 kA
I_n (8/20)	15 kA
Body Material	PC+FG; V-0
Number of Poles	4
Format	Monobloc
Temperature range	-5 ... 40 ° C
I_{cc}	25 kA
IP Code	20
Back-up fuse	80 A gG
Maximum break time	0,2 s - (400V) / 15 s - (275V)
Stranded wire Section	6 ... 25 mm²
Rigid wire Section	6 ... 35 mm²

FEATURES & BENEFITS

- Maximum discharge current (8/20µs): 40kA per phase
- Nominal discharge current (8/20µs): 15kA per phase
- Un(L+N/L-L): 230/400V
- DIN-rail mountable, monobloc format
- Visual and remote end of life indicators
- Back-up fuse: 80 A gG
- Maximum break time (400V): 0,2 s
- Maximum break time (275V): 15 s
- Back-up fuse: 80 A gG

APPLICATIONS

- Industry and automation
- LED outdoor lighting

STANDARDS

- IEC 61643-11
- EN 61643-11

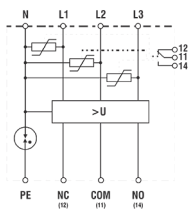CE

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PRODUCT RANGE

4 Poles

Catalog number	Reference number	U_n	U_c	I_{max} (8/20)	I_n (8/20)	U_p at I_n	Remote
POP-40K230V-CT-4P	83060100	230/400 VAC	400 V	40 kA	15 kA	≤ 1.8 kV	No
POP-40K230V-CT-4PM	83060101	230/400 VAC	400 V	40 kA	15 kA	≤ 1.8 kV	Yes

ELECTRICAL DIAGRAMS

(3Ph+N)-4P

DIMENSIONS

4 Poles