

Over-Voltage and Surge Protection Devices (SPD)

Description



Ref. 55410 1DC | 55420 1DC | 55440 1DC | 55460 1DC

In accordance with european and international standards:
IEC 61643-1: "Surge Protection Devices".
Installation in DIN rail track, in Panelboards.

Characteristics

Number of poles: 1
Type: II
Response time: <25 ns
Operation temperature: -40 °C to +80 °C
Terminal capacity: 1x25 mm²
Protection Index: IP20

Reference	55410 1DC	55420 1DC	55440 1DC	55460 1DC
Rated voltage	230 V ~	230 V ~	230 V ~	380 V ~
Maximum continuous operating voltage	320 V ~	320 V ~	320 V ~	420 V ~
Protection level (8/20 μseconds)	1,0 kVp	1,2 kVp	1,5 kVp	2,0 kVp
Rated discharge current (8/20 μseconds)	5 kA	10 kA	20 kA	30 kA
Maximum discharge current (8/20 μseconds)	10 kA	20 kA	40 kA	60 kA

Operation

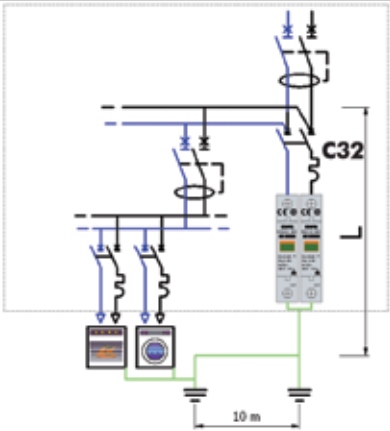
The correct operation and performance of the SPDs is assured when the ground installation is made in accordance with the official electrical codes, rules and prescriptions determined by the government or by the official entities.

The total length of the connection cables to the SPDs (L) must be as short as possible (<0,5m).

It must be avoided to make derivations in the circuit of the SPDs. With currents up to 50A, the derivations must be made over the same terminals of the SPDs.

The circuits where the SPDs are connected must be protected against overloads and short circuits. It is recommended the use of a MCBs of 32 - C Curve (C32).

If the installation has different protection levels against over voltages, it is recommended that the length of the cable that connects the main SPDs with a secondary SPDs is ≥ 1m, in order to avoid simultaneous conduction of both devices.



Dimensions (mm)

