

STEPPED PROTECTION SYSTEM AGAINST SURGES AND THE MEDIUM AND HIGH FREQUENCY HARMONICS IN LOW VOLTAGE POWER SUPPLY NETWORKS IN AC.

- Installed in secondary panels whose power does not exceed 10 kVA.
- Ideal for protection of sensitive loads.
- High discharge capacity.
- Reliable monitoring and maintenance.
- Protection both common and differential mode for all protection modes.
- Adjusted thresholds to operating voltage range.
- Network pilot and disconnection fuses of internal elements.



DEVICE MODEL	SP 2D-10
Installation types	Bypass/Single-phase
Nominal voltage / Frequency / Topology	230 V / 50-60 Hz / F+N+TT
Network connection mode	Power strip
Recommended power of the installation to be protected	10 kVA
Network topology	TT, IT and TN
Elements of internal disconnection	20A fuse
Number of alarm	-
Performance against surges	
Type of protection	2
Maximum voltage in continuous operation (Uc) AC	250 V _{AC}
Current treshold (Un)/ Operation treshold	275 V _{AC}
Response time (t _A)	25 ns
Itmax (8/20) – Differential-mode (Phase – Neutral)	60 kA
Itmax (8/20) – (Phase – Earth / Neutral – Earth)	60 kA / 60 kA
Itimp (10/350) – Differential-mode (Phase – Neutral)	-
Itimp (10/350) – Common mode (Phase – Earth / Neutral – Earth)	- / -
Itmax (8/20) Total	120 kA
Itimp (10/350) Total	-
Protection steps	3
Frequency response (Z = 10 Ω)	
Cut-out frequency	23 kHz
Attenuation at 30 KHz	4,2 dB
Installation data	
Cable connection recommended minimum section	Cu 4 mm ²
Recommended protection	25 A
Enclosure material	Polycarbonate
Installation method	DIN Rayl
Operating temperature	[-10 °C ... +60° C]
IP protection grade	IP 20
Category location	Indoor
Weight (Kg)	0,5 Kg
Dimmension in mm (h _x w _x d)	90x70x60