

SURGE PROTECTION AND FILTERING MULTI-STAGE SYSTEM FOR AC LOW VOLTAGE POWER SUPPLIES.

- Surge protective device especially designed to be installed at industrial secondary panels or at the installation header.
- Ideal to protect loads against MF/AF harmonics and voltage fluctuations.
- High discharge capacity.
- Easy supervision and maintenance.
- Protection in both common and differential mode for all protection modes.
- Fitted-threshold to operating voltage.
- Green power pilot and Circuit Breaker for internal disconnection.



DEVICE MODEL	SP 4D-100-V
Connection mode	Parallel / Three phase
Nominal Voltage/Frequency/Topology	230 V _{L-N} - 400 V _{L-L} / 50-60 Hz / 3L+N+PE
Connection to Electrical network	Circuit Breaker
Recommended power of the protected installation	100 kVA
Earthing systems	TT, IT y TN
Internal disconnection	80A Circuit Breaker
Number of indicator lights	1
Surge response	
Protection type	1+2
Maximum continuous operating voltage (U _c) AC	250/430 V _{AC}
Operation threshold (U _r)	275/470 V _{AC}
Response time (t _x)	25 ns
Itmax (8/20) – Differential mode (L-L / L-N)	200 kA / 200 kA
Itmax (8/20) – Common mode (L-PE / N-PE)	200 kA / 200 kA
Itimp (10/350) – Differential mode (L-L / L-N)	25 kA / 25 kA
Itimp (10/350) – Common mode (L-PE / N-PE)	25 kA / 25 kA
Itmax (8/20) Total	2000 kA
Itimp (10/350) Total	250 kA
Protection stages	3
Frequency response (Z = 10 Ω)	
Cutoff frequency	4,7 kHz
Attenuation at 30 kHz	16 dB
Installation data	
Minimum recommended section fo the connection cables	Cu 35 mm ²
Recommended Circuit Breaker protection	80 A
Enclosure features	Hermetic metallic cabinet
Mounting method	Wall mounting
Operating temperature	[-10 °C ... +85°C]
IP protection degree	IP 20
Location	Indoor
Weight (kg)	-
Dimmensions (mm)	400x300x150