

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.
- Adjusted thresholds to the operating voltage.
- Red pilot and Circuit Breaker for internal disconnection.



DEVICE MODEL	SP 4D-300-V
Connection mode	Parallel / Three phase
Nominal Voltage/Frequency/Topology	230 V / 400 v / 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_n)	275 / 470 V_{AC}
Response time (t_x)	25 ns
I_{tmax} (8/20) – Differential mode (L – L / L - N)	400 kA / 400 kA
I_{tmax} (8/20) – Common mode (L – PE / N – PE)	400 kA / 400 kA
I_{timp} (10/350) – Differential mode (L – L / L - N)	50 kA / 50 kA
I_{timp} (10/350) – Common mode (L – PE / N – PE)	50 kA / 50 kA
I_{tmax} (8/20) Total	4000 kA
I_{timp} (10/350) Total	500 kA
Protection stages	3
Frequency response (Z = 10 Ω)	
Cutoff frequency	16 kHz
Attenuation at 30 kHz	4,7 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)	10 Kg
Dimmensions (mm)	500x400x150