

## 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-200-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)	300 kA / 300 kA
$I_{tmax}$ (8/20) – Common mode (L – PE / N – PE)	300 kA / 300 kA
$I_{timp}$ (10/350) – Differential mode (L – L / L - N)	37,5 kA / 37,5 kA
$I_{timp}$ (10/350) – Common mode (L – PE / N – PE)	37,5 kA / 37,5 kA
$I_{tmax}$ (8/20) Total	3000 kA
$I_{timp}$ (10/350) Total	375 kA
Protection stages	3
Frequency response (Z = 10 $\Omega$ )	
Cutoff frequency	16 kHz
Attenuation at 30 kHz	4,7 dB
Installation data	
Minimum recommended section fo the connection cables	Cu 35 mm <sup>2</sup>
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