



All Dimension in mm

Dimension drawing



Type 1 surge protective device especially designed for low-voltage power supply system at the boundaries from lightning protection zone 1-2 and higher.

- Type 1CA surge suppressor, passed intermediate current 100A, 500A, 1000A and short circuit current rating (SCCR) 200kA without external fuse or circuit breaker.
- All mode protection: L-N, L-PE, N-PE
- Pluggable design with window fault indication
- Nominal discharge current I_n 20kA 8/20us per pole, max discharge current I_{max} 50kA 8/20us per pole
- High reliability due to global patented thermally protected MOV (TMOV) with special arc-extinguish device

Part No.			DS50/275-2V-S
In accordance with			IEC61643-11, IEEE C62.41, UL1449-4th
Nominal voltage ; U_n			230VAC, 50Hz
Max. continuous operating voltage ; MCOV (VAC/VDC)			275/370
Nominal discharge current (8/20us) ; I_n			20kA
Max. discharge current (8/20us) ; I_{max}			50kA
Voltage protection rating	@ 3kA		<1.0kV
Voltage protection rating	@ 1kA		<900V
Response time			<5ns
Follow current			No
Backup fuse (only required if not already provided in mains)			125A gL/gG
Operating temperature range			- 40°C ~ + 80°C
Cross-section of connection wire			Single-strand 35mm ² ; multi-strand 25mm ²
Mounting			35mm DIN-rail in accordance with EN 50022/DIN46277-3
Enclosure material			thermoplastic; extinguishing degree UL94 V-0 ; metal enclosure (optional)
Degree of protection			IP20
Installation width			TS35 DIN 43880
Thermal disconnecter			Internal green – normal ; red - failure
Remote alarm contact			Optional
SCCR rating			200kA
Approvals, Certifications			ETL/CE
Additional data for Remote Alarm Contacts			
Switching capability U_n/I_n	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A		
Max. Size of connecting wire	Max. 1.5mm ² (or # 16AWG)		