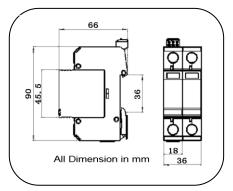
## POWER SUPPLY SYSTEMS

## SURGE PROTECTIVE DEVICE – TYPE 1 SPD





## ((1)) CE

**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)  $\triangleright$ 200kA without external fuse or circuit breaker.
- All mode protection: L-N, L-PE, N-PE  $\triangleright$
- Pluggable design with window fault indication  $\triangleright$
- $\triangleright$ Nominal discharge current In 20kA 8/20us per pole, max discharge current Imax 50kA 8/20us per pole
- High reliability due to global patented thermally protected MOV (TMOV) with special arc-extinguish device  $\geq$

Part No.		DS50/275-2V-S	
In accordance with		IEC61643-11, IEEE C62.41, UL1449-4th	
Nominal voltage ; Un		230VAC,50Hz	
Max. continuous operating voltage ;MCOV (VAC/VDC)		275/370	
Nominal discharge current (8/20us) ;In		20kA	
Max. discharge current (8/20us); Imax		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 <sup>2</sup> ; multi-strand 25mm <sup>2</sup>	
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 disconnector		Internal green – normal ; red - failure	
Remote alarm contact		Optional	
SCCR rating		200kA	
Approvals, Certifications		ETL/CE	
Additional data for Remote Alarm Contacts			
Switching capability Un/In		AC: 250V/0.5A	DC: 250V/0.1A; 125V/0.2A; 75V/0.5A
Max. Size of connecting wire	Max. 1.5mm <sup>2</sup> (or # 16AWG)		



