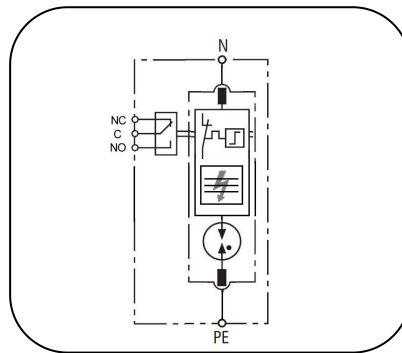
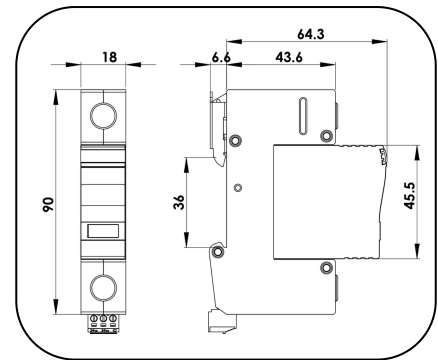


SURGE PROTECTIVE DEVICE – TYPE 1ca SPD

SP...T-S



Basic circuit diagram



Dimension drawing

UL recognized Type 1ca surge protective device is especially designed for low-voltage power supply system surge protection, especially for point of entry (Category C,D, ANSI/IEEE C62.41) and sub-circuit (Category B, ANSI/IEEE C62.41) protection.

Technical Features

- UL recognized Type1ca single-pole SPD for N-PE protection, fulfill the requirements for installation in “1+1” and “3+1” protection circuit.
- Large surge energy capability up to 50KA per mode.
- DIN-rail mounting configuration.
- Pluggable module for easy replacement
- Degradation failure indication.
- Meet both standards of UL1449-4th and IEC61643-11:2012

Part No.	SP150T-S	SP255T-S
In accordance with	UL1449-4th; IEC61643-11:2012	
Category UL(EN/IEC)	Type 1ca (T2 or Class II)	
Max. continuous operating voltage MCOV (AC) N-PE U _c	150	255
Nominal discharge current(8/20) I _n	20kA	
Max. discharge current(8/20) I _{max}	50kA	
Voltage protection rating VPR	<0.9kV	<0.9kV
Response time t _A	≤100 ns	
Follow current extinguishing capability I _{fi}	200Arms @ 150Vac	200Arms @ 255Vac
Operating temperature range	- 40°C ~ + 85°C	
Cross-section of connection wire	Single-strand 35mm ² (or # 2AWG) ; multi-strand 25mm ² (or # 4AWG)	
Mounting	35mm DIN-rail in accordance with EN 50022/DIN46277-3	
Enclosure material	thermoplastic; extinguishing degree UL94 V-0	
Degree of protection	IP20	
Installation width	1 module, DIN 43880	
Thermal disconnecter	Internal green – normal ; red - failure	
Remote alarm contact	Optional	
Approvals, Certifications	UL, CE	
Additional data for Remote Alarm Contacts		
Remote alarm contact type	Isolated Form C	
Switching capability Un/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)	