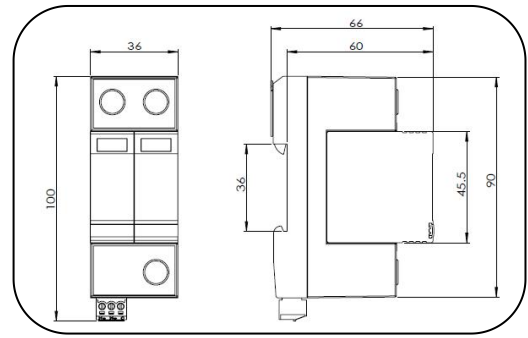

Basic circuit diagram

Dimension drawing

Type 2 AC surge arrester designed for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 1-2 and higher.

- Comply with IEC 61643-11, UL1449 4th, apply to single phase TT and TN systems (“1+1” circuit).
- Pluggable design, 2 poles, easy replaced without any tools.
- High Discharge Capacity with 8/20 μ s waveform, I_{max} 25kA
- Visual status indication and remote signal contact available
- Applications-AC/DC Drives, LT Panels, MCC, PCC, CNC machines, PLC etc.

Part No.		DS25/175-(V+T)-S	DS25/385-(V+T)-S
In accordance with		IEC61643-11:2011; UL1449-4th	
Category IEC/VDE		II/ C	
Max. continuous operating voltage U _c	L – N (AC/DC)	175 /225	385 /505
	N–PE (AC)	150V	255V
Nominal discharge current(8/20us) I _n		10kA	
Max. discharge current (8/20us) I _{max}		25kA	
Voltage protection level U _p	L-N@I _n	<0.8kV	<1.8kV
	L-N@VPR	<0.6kV	<1.3kV
	N–PE (1.2/50)	<0.8kV	<1.5kV
Response time t _A	L-N	≤25 ns	
	N-PE	≤100 ns	
Follow current I _f	L-N	No	
	N-PE	I _{fi} : 100Arms @ 255Vac	
Backup fuse(only required if not already provided in mains)		100A 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	
Degree of protection		IP20	
Installation width		2 modules, DIN 43880	
Thermal disconnecter		Internal green – normal ; red - failure	
Remote alarm contact		Optional	
Approvals, Certifications		CE	
Additional data for Remote Alarm Contacts			
Remote alarm contact type		Isolated Form C	
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)	