



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, **apply to TN system.**
- Pluggable design 18mm of single module for single phase application, L-PE and N-PE protection, easy replaced without any tools.
- **High Discharge Capacity with 8/20 us waveform, Imax 40kA**
- Lifetime status indication, clear display of 2 poles separately, **Size 90*18mm**
- Remote signal contact available.
- Applications-AC/DC Drives, LT Panels, MCC, PCC, CNC machines, PLC etc

Part No.	MDSS40/385-2V-S	
In accordance with	IEC61643-11:2011; UL1449-4th	
Category IEC/VDE	II/ C	
Max. continuous operating voltage (AC/DC)	385/505	
Nominal discharge current(8/20) In	20kA	
Max. discharge current(8/20) Imax	40kA	
Voltage protection level	@In	<1.8kV
	@VPR	<1.3kV
Response time	≤25 ns	
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	
Degree of protection	IP20	
Installation width	1 module, DIN 43880	
Thermal disconnecter	Internal green – normal ; red - failure	
Remote alarm contact	Yes	
Approvals, Certifications	CE	
Additional data for Remote Alarm Contacts		
Remote alarm contact type	Isolated Form C	
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 ² (or # 16AWG)	