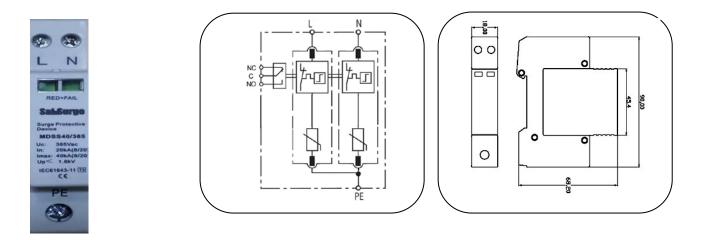
## POWER SUPPLY SYSTEMS

## SURGE ARRESTERS – CLASS II

## MDSS40/xxx-2V(-S)



## CE

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 <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
Degree of protection		IP20
Installation width		1 module, DIN 43880
Thermal disconnector		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 <sup>2</sup> (or # 16AWG)