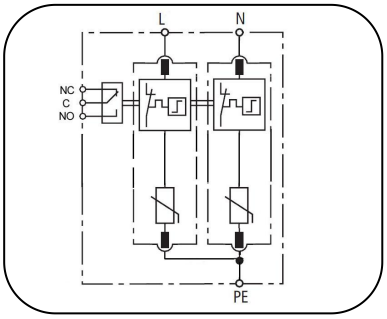
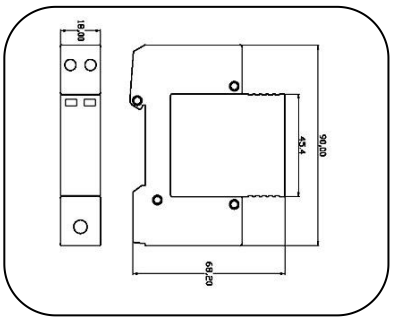
SURGE ARRESTERS – CLASS II

MDSS40/275-2V(-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-S 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
- Remote signal contact available.

Part No.		MDSS40/275-2V(-S)
In accordance with		IEC61643-11:2011; UL1449 3rd
Category IEC/VDE		II/ C
Max. continuous operating voltage uC	L – N (AC/DC)	275 /350
	N–PE (AC)	255
Nominal discharge current(8/20) In		20kA
Max. discharge current(8/20) Imax		40kA
Voltage protection level uP	L-N@In	<1.3kV
	L-N@VPR	<1.0kV
	N–PE (1.2/50)	<1.5kV
Response time	L-N	≤25 ns
	N-PE	≤100 ns
Follow current	L-N	No
	N-PE	Ifi: 100Arms @ 255Vac
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 10mm^2; multi-strand 6mm^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 disconnector		Internal red - failure
Remote alarm contact		Optional
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)