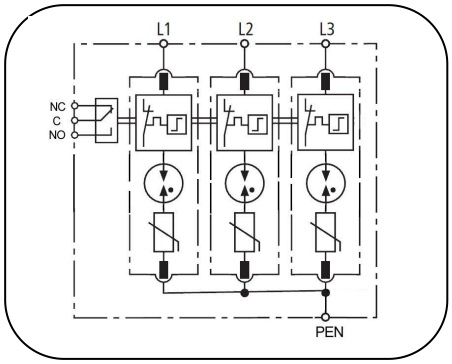
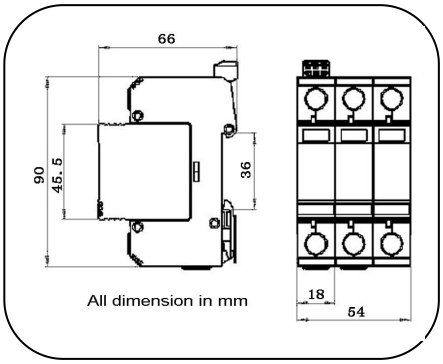
SURGE ARRESTERS – CLASS II+III

DT40/275-3VT(-S)



Basic circuit diagram



Dimension drawing

Type 2+3 lightning and surge protective device especially for low-voltage power supply system surge protection at the boundaries from lightning protection zone 1-3 and higher.

- Class II+III/class C+D SPD, max discharge current 40kA 8/20
- Pluggable design surge arrester for easy replacement
- VTD technology surge protector, the best technology for power protection
- Very low clamping level and high surge current capability (high limp, low Up)
- High TOV withstand, increased reliability for areas with unstable power network
- No follow current, No leakage current, intelligent distinguish power frequency current and surge current to guarantee long service life

Part No.		DT40/275-3VT(-S)
In accordance with		IEC61643-11:2011; UL1449 3rd
Category IEC/VDE		II+III/C+D
Max. continuous operating voltage (AC/DC) Uc		275 /350
Nominal discharge current(8/20) In		20kA
Max. discharge current(8/20) Imax		40kA
Voltage protection level Up	@In	<1.2kV
	@VPR	<0.8kV
Response time		≤100 ns
Follow current& Leakage 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 35mm²; multi-strand 25mm²
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		3 modules, DIN 43880
Thermal disconnector		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 Un/In		AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A
Max. Size of connecting wire		Max. 1.5mm²(or # 16AWG)