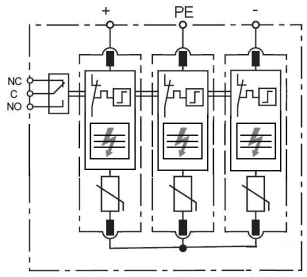
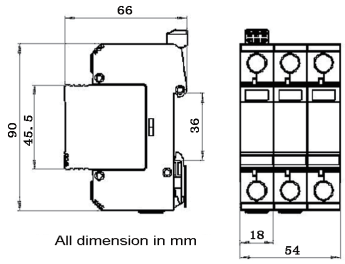
PV50/1000-MVCDR

Basic circuit diagram



Dimension drawing



Common mode & Differential mode DC Surge arrester for PV/DC system protection against surges at the boundaries from lightning protection zone 1-2 and higher.

- ETL certified as per UL1449-3rd
- Pluggable design, Imax 50kA 8/20
- Common mode & Differential mode protection
- High reliability due to global patented thermally protected MOV with special arc-extinguish device
- Short circuit current rating (SCCR) up to 200kArms as per UL1449-3rd

Type		PV50/1000-MVCDR
		1000
In accordance with		IEC61643-11:2011; UL1449 3rd
Category IEC/VDE		II/ C
Protection Mode		Common mode & Differential mode
Nominal voltage (Vdc)	Un	1000
Max. continuous operating voltage (Vdc)	Uc	1120
Nominal discharge current(8/20)	In	20kA
Max. discharge current(8/20)	Imax	50kA
Voltage protection rating	Up	<3.6kV
	VPR	<3.0kV
Response time		≤25 ns
Follow current		No
Backup fuse(only required if not already provided in mains)		125A gR/gPV
Operating temperature range		- 40ºC ~ + 80ºC
Cross-section of connection wire		Single-strand 35mm2; 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		3 modules, 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^2(or # 16AWG)

Note: Subject to change without any notice.