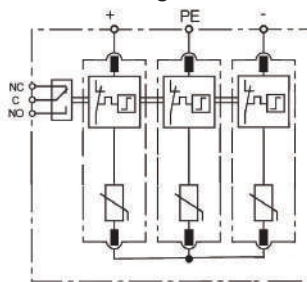


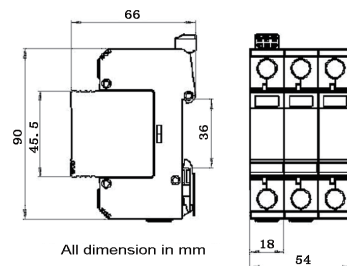
PV50/1000-MVCDR



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.

- In accordance with IEC61643-11 compliance;
- Common Mode and Differential protection;
- Remote signaling contact;
- Pluggable mounting;
- Very low Up protection level

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	Per IEC61643 (1 pulse)	40kA
		Per UL1449 (1 pulse)	50kA
Voltage protection rating	Up	Per IEC61643	<3.6kV
	VPR	Per UL1449	<2.8kV
Response time		≤25 ns	
Follow current		No	
Backup fuse(only required if not already provided in mains)		125A gR/gPV	
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 disconnecter		Internal green – normal ; red - failure	
Remote alarm contact		Yes	
Approvals, Certifications		CE/ETL	
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)	

Note: Subject to change without any notice.