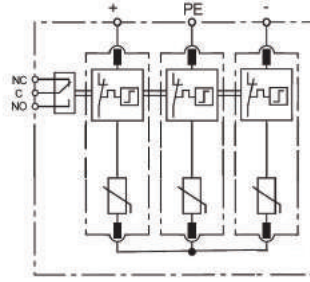


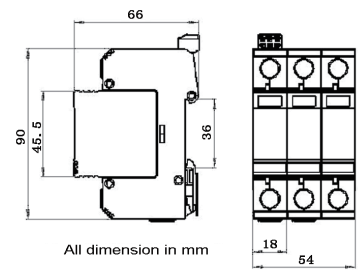
PV50/1000-MVCDR



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 35mm ² ; 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 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. 1.5mm ² (or # 16AWG)		

Note: Subject to change without any notice.