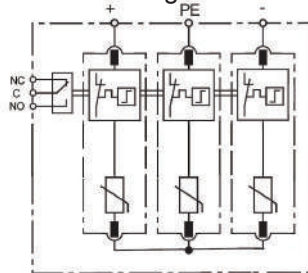


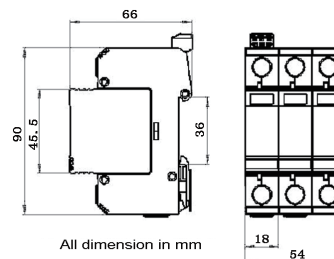
PV40/1000-MVCDR



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 EN50539, IEC61643-11 compliance;
- Common Mode and Differential protection;
- Remote signaling contact;
- Pluggable mounting;
- Very low Up protection level

Type			PV40/1000-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	1020	
Nominal discharge current(8/20)	In	20kA	
Max. discharge current(8/20)	Imax	40kA	
Voltage protection rating	Up	<3.6kV	
	VPR	<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 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. 1.5mm2(or # 16AWG)

Note: Subject to change without any notice.