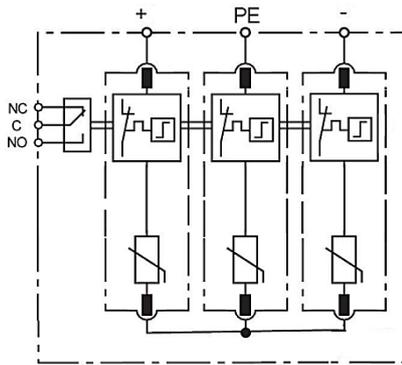
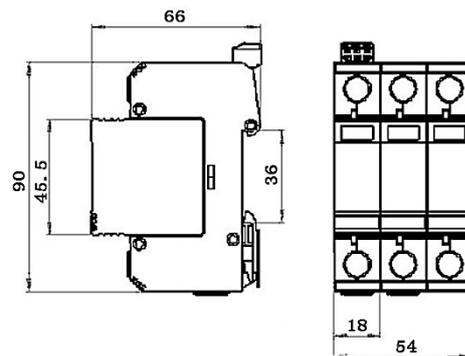


SURGE PROTECTIVE DEVICE DC for PHOTOVOLTAIC SYSTEMS (MOV technology with internal fuse)



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. Provide surge protection of two MPP-systems.

- Internal fuse in series with MOV design for more reliable over-current protection.
- Failure indicators on both MOV and internal Fuse.
- Global Patent protected Inbuilt arc-extinguishing device for high interrupting capacity.
- Special MOV technology for DC application with long service life.
- Dry contact is option.

Technical Data

Model No.	S-PV40-1000V-CD-S	
In accordance with	IEC61643-11:2011; UL1449 3 rd	
Category IEC/VDE	III/ C	
Protection Mode	Common mode & Differential mode	
Nominal voltage (Vdc) U_n	1000	
Max. continuous operating voltage (Vdc) U_c	1120	
Nominal discharge current(8/20) I_n	20 kA	
Max. discharge current(8/20) I_{max}	40 kA	
Voltage Protection Level Up	@ I_n	<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 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	
Weight (kg)	0.3 kg	

Ordering information	
Model No.	S-PV40-1000V-CD-S
Part No.	201500
Warranty	1 year from Delivery date
Packing unit	1 pc(s).

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