

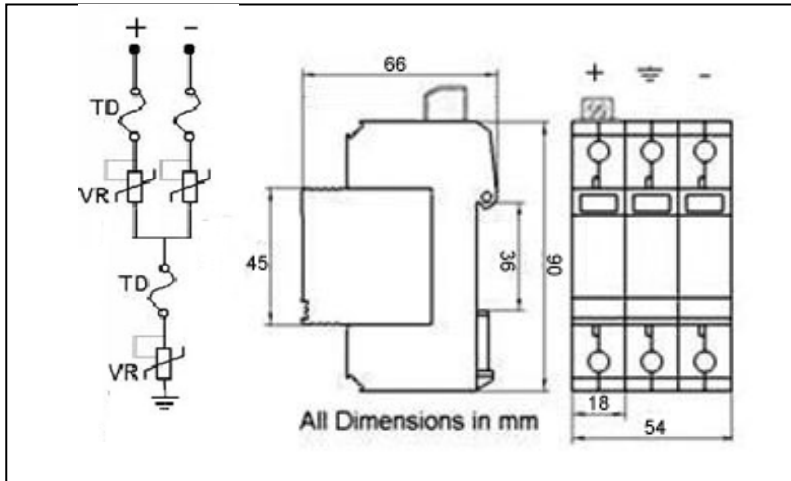
DC Surge Protective Device for PV

CLASS II SPD Power Supply System

TYPE: PVD40/500-V-CD(S)

DC Surge Protective Device for PV

Differential and common mode DC Surge arrester for Photovoltaic protection against surges at the boundaries from lightning protection zone 0_B-1 and higher.



- Class II (C) DC arrester in according with IEC61643-1:2005.
- Two part design consisting of base and plug-in protection module.
- Differential and common protection mode.
- High energy MOV (Metal Oxide Varistor) inside.
- Reliable supervision due to disconnection device.
- Fault indication by red indication flag in window.
- Fast response.
- With remote alarm terminal optional.

Technical Data

Type	PVD40/500-V-CD-S
In accordance with	IEC61643-1:2005; UL1449 ed.3
Category IEC/VDE	II/ C
Protection Mode	Differential mode & Common mode
Nominal voltage	500VDC
Max. continuous operating voltage (DC)	530VDC
Nominal discharge current (8/20) In	20KA
Max. discharge current(8/20) I _{max}	40KA
Voltage protection level	1.8KV
Response time	≤ 100 ns
Backup fuse(only required if not already provided in mains)	125A gL/gG
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 module, DIN 43880
Thermal disconnect	Internal green – normal red - failure
Remote alarm contact	Optional
Additional data for Remote Alarm Contacts	
Remote alarm contact type	floating changeover contact
Switching capability U _N /I _N	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A
Cross-section of connection wire	Max. 1.5mm ²

