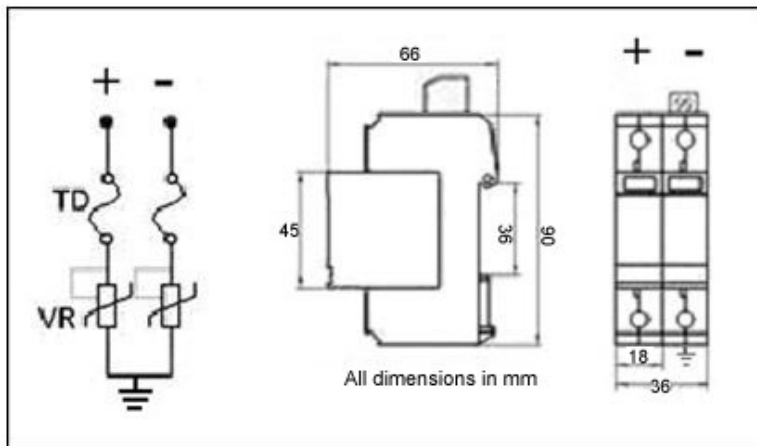


TYPE: PVD40/500-V-C (S)

### DC Surge Protective Device for PV

Common mode DC Surge arrester for Photovoltaic protection against surges at the boundaries from lightning protection zone 0<sub>B</sub>-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.
- 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.

### Technical Data

Type	PVD40/500-V-C-S
In accordance with	IEC61643-1:2005; UL1449 ed.3
Category IEC/VDE	II/ C
Protection 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 <sub>max</sub>	40KA
Voltage protection level	1.6KV
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 <sup>2</sup> ; multi-strand 25mm <sup>2</sup>
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	2 module, DIN 43880
Thermal disconnecter	Internal green – normal red - failure
Remote alarm contact	yes
<b>Additional data for Remote Alarm Contacts</b>	
Remote alarm contact type	floating changeover contact
Switching capability U <sub>N</sub> /I <sub>N</sub>	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A
Cross-section of connection wire	Max. 1.5mm <sup>2</sup>

