

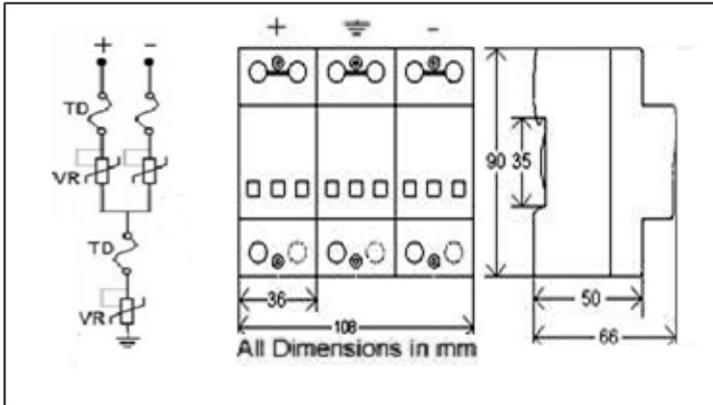
# DC Surge Protective Device for PV

# Power Supply System

TYPE: PVD80/1000-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<sub>B</sub>-1 and higher.



- Class I (B) DC arrester in according with IEC61643-1:2005.
- Two part design consisting of base and non-pluggable 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.

### Technical Data

Type	PVD80/1000-V-CD(S)
In accordance with	IEC61643-1:2005; UL1449 ed.3
Category IEC/VDE	I/ B
Protection Mode	Differential mode & Common mode
Nominal Voltage (DC)	1000VDC
Max. continuous operating voltage (DC)	1060V
Nominal discharge current (8/20) In	40KA
Max. discharge current(8/20) I <sub>max</sub>	80KA
Voltage protection level at In	3.2 KV
Response time	≤25 ns
Backup fuse(only required if not already provided in mains)	250A 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	6 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>

