

DC Surge Protective Device for PV

TYPE: PV40/1000-MVCDR

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

Terminal Block Modules series

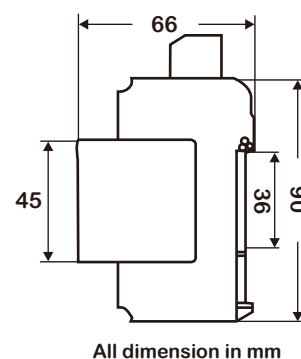
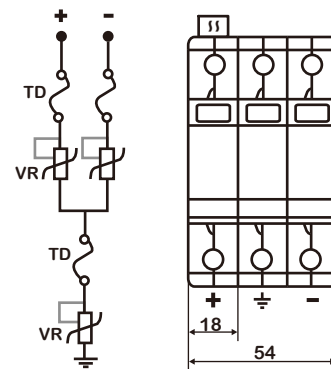
- Class II (C) DC arrester in according with EN50539-11 and IEC61643-11.
- Two part design consisting of base and plug-in protection module.
- Differential and common protection mode.
- High energy MOV (Metal Oxide Varistor) inside.
- Reliable supervision due to disconnection device.
- Fault indication by red indication flag in window.
- Fast response.
- With remote alarm terminal.



Characteristics

Type		PV40/1000-MVCDR
In accordance with		EN50539-11, IEC61643-11; UL1449 ed.3
Category IEC/VDE		II/ C
Protection Mode		Differential mode & Common mode
Nominal Voltage (DC)		1000VDC
Max. continuous operating voltage (DC)		1020V
Nominal discharge current (8/20) In		20KA
Max. discharge current(8/20) Imax	Per IEC61643	40KA
	Per UL1449	50KA
Voltage protection level at In		4.2KV
VPR at 6KV/3KA		<3KV
Response time		≤25 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 modules, DIN 43880
Thermal disconnecter		Internal green – normal red - failure
Remote alarm contact		yes
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

Dimensions and Diagram



All dimension in mm

Note: Subject to change without any notice.