



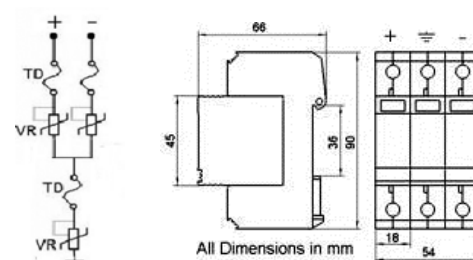
## DC Surge Protective Device for PV

### TYPE: JDA PV50/1200-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

- DIN rail mountable and ease of installation
- Innovative thermally protected MOV technology (Patent)
- Quick thermal response self-protected design with internal arc extinguishing
- Visual indicator
- Maximum discharge current of 50 kA
- Short circuit current rating (SCCR) 200KA without external Fuse or CB
- Meet all requirements of UL 1449 3rd Edition
- Remote indicator
- In of 20kA



## Characteristics

Type		JDA PV50/1200-MVCDR
In accordance with		EN50539-11, IEC61643-11:2011; UL1449 3 <sup>rd</sup> ed.
Protection Mode		Differential mode & Common mode
Nominal Voltage (DC)		1200VDC
Max. continuous operating voltage (DC)		1240VDC
Nominal discharge current (8/20) In		20KA
Max. discharge current(8/20) I <sub>max</sub>	Per IEC61643	40KA
	Per UL1449	50KA
Voltage protection level @In		4.8KV
VPR @6KV/3KA		3.5KV
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 <sup>2</sup> (#2AWG); multi-strand 25mm <sup>2</sup> (#4AWG)
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
<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; 5V/0.5A
Cross-section of connection wire		Max. 1.5mm <sup>2</sup> (#16AWG)

Note: Subject to change without any notice.