

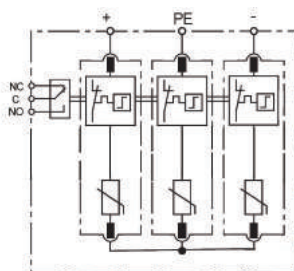


PV40/1500-MVCDR

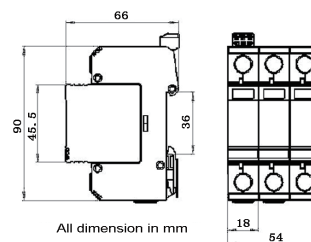


DC SPD designed for low voltage system protection against surges at the boundaries from lightning protection zone 1-2 and higher.

- Class I+II/B+C surge protector for Photovoltaic system
- In accordance with EN50539
- With common mode and differential mode surge protection
- Reliable supervision due to disconnection device;
- Fault indication by red indication flag in window;
- With remote alarm terminal optional;



Basic circuit diagram



Dimension drawing

Part No.	PV40/1500-MVCDR	
In accordance with	EN50539	
Category IEC/VDE	I+II/ B+C	
Protection Mode	Common mode & Differential mode	
Nominal voltage (Vdc)	Un	1500
Max. continuous operating voltage (Vdc)	Ucpv	1520
Nominal discharge current(8/20)	In	20kA
Max. discharge current(8/20)	I _{max}	40kA
Voltage protection rating	Up	<6.5kV
	VPR	<4.8kV
Short-circuit current rating(Iscpv)	1000A	
Response time	≤25 ns	
Follow current	No	
Backup fuse(only required if not already provided in mains)	125A gR/gPV	
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	Optional	
Approvals, Certifications	CE	
Additional data for Remote Alarm Contacts		
Remote alarm contact type	Isolated Form C	
Switching capability Un/In	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A	
Max. Size of connecting wire	Max. 1.5mm ² (or # 16AWG)	

note: subject to change without any notice, JDA pay no responsibility