



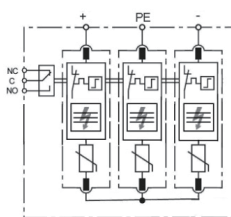
PV50/1000-MVCDR



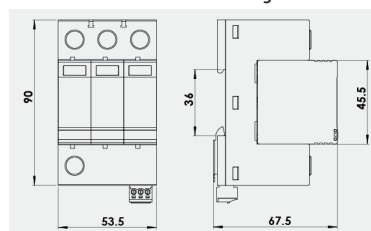
Type 1CA SPD designed for low voltage system protection against surges at the boundaries from lightning protection zone 1-2 and higher.

- Type 1CA surge protective devices for PV/ Photovoltaic system.
- DC SPD for common mode & Differential mode protection
- ETL certified surge protector according to UL1449-4th, SCCR 200kArms
- Pluggable design with window fault indication
- Nominal discharge current I_n 20kA 8/20 per pole, max discharge current I_{max} 50kA 8/20 per pole
- High reliability due to global patented thermally protected MOV with special arc-extinguish device

Basic circuit diagram



Dimension drawing



Part No.	PV50-1000-MVCDR	
In accordance with	UL1449-4th	
Category IEC/VDE	Type1 CA	
Protection Mode	Common mode & Differential mode	
Nominal voltage (Vdc)	U0	1000
Max. permitted DC voltage	Vpdc	1120
Nominal discharge current(8/20)	I_n	20kA
Max. discharge current(8/20)	I_{max}	50kA
Voltage protection rating per mode	VPR	<1.5kV
Voltage protection rating ("+" / "-" - PE)		<3kV
Leakage (Quiescent) current	I_q	<2.5 μ A
Short Circuit Current Rating	SCCR	200kA
Response time	\leq 25ns	
Backup fuse(only required if not already provided in mains)	125A gR/gPV	
Max Ambient temperature	- 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 V0	
Degree of protection	IP20	
Installation width	3 modules, DIN 43880	
Thermal disconnecter	Internal green – normal ; red - failure	
Remote alarm contact	"-S" means with remote alarm contact	
Approvals, Certifications	ETL/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