



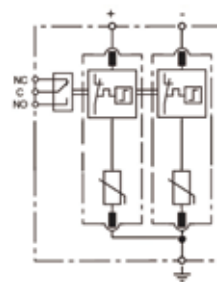
PV40/1000-MVCR

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

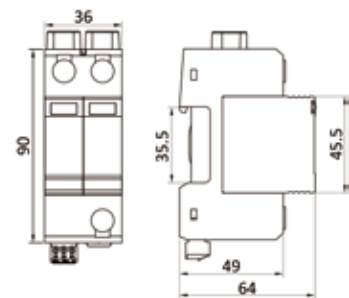
- Class II surge protector for Photovoltaic system
- IEC/EN 61643-31, EN50539 compliance
- Type 2, common mode surge protection, 40kA surge arrester
- Pluggable design SPD, easy replacement
- Reliable supervision due to disconnection device
- Fault indication by red indication flag in window
- With remote alarm terminal optional



Basic circuit diagram



Dimension drawing



Part No.	PV40/1000-MVCR	
In accordance with	IEC61643-31, EN50539	
Category IEC/VDE	II/ C	
Protection Mode	Common mode	
Nominal voltage (Vdc)	U _o	1000
Max. continuous operating voltage (Vdc)	U _{cpv}	1060
Nominal discharge current(8/20)	I _n	20kA
Max. discharge current(8/20)	I _{max}	40kA
Voltage protection rating	U _p	3.6kV
Short-circuit current rating(Iscpv)		25kA
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		2 modules, DIN 43880
Thermal disconnect		Internal green – normal ; red - failure
Remote alarm contact		Yes
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