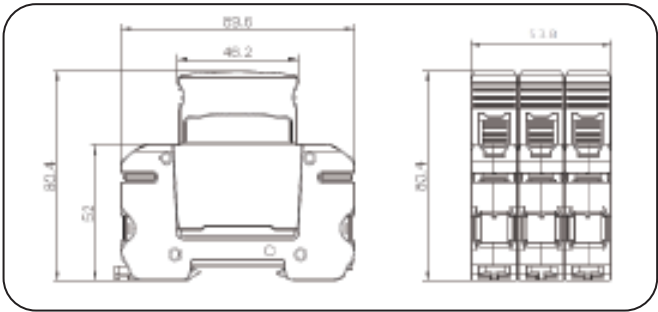


PV SURGE ARRESTERS - CLASS I+II

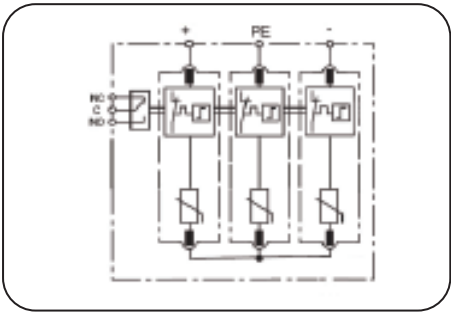
PV60/1500-MVCDR

T1+T2 (IEC/EN) Surge Protective Device (SPDs) are designed for PV/Photovoltaic system dc-side protection against the damaging from surges and spikes caused by lightning and other electrical sources.

- T1+T2 PV SPD per IEC 61643-31/EN50539-11
- Compact size design (18mm) due to high energy MOV inside
- Prewired Y protection circuit, for common mode and differential mode protection
- Pluggable module for easy replacement
- Surge capacity 60kA 8/20μs per pole
- Lightning impulse current 7kA 10/350μs per pole
- Degradation indication and optional alarm signal optional



Dimension drawing



Basic circuit diagram

Type	PV60/1500-MVCDR	
In accordance with	EN50539-11; IEC61643-31	
Category IEC/VDE	I+II/B+C	
Protection Mode	Common mode & Differential mode	
Max. continuous operating voltage	Ucpv	1500Vdc
Nominal discharge current(8/20µs)	In	30kA
Max. discharge current(8/20µs)	Imax	60kA
Lightning impulse current (10/350µs) per pole	Iimp	7.0kA
Total Discharge Current (10/350us)	Itotal (10/350)	21kA
Voltage protection rating	Up	<6.0kV
Response time	≤25 ns	
Short circuit withstand capacity (Iscpv)	1000A	
Operating temperature range	- 40°C ~ + 85°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 disconnector	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. 1.5mm2(or # 16AWG)	