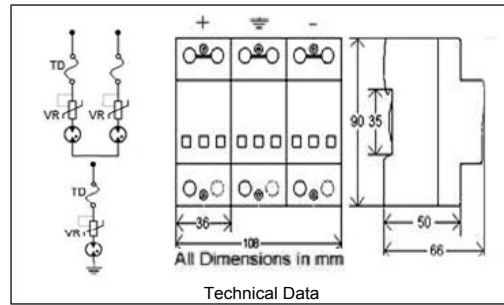


PV 100/1000-MVGCDR



- Class I (B) DC arrester in according with IEC61643-1:2005.
- Two part design consisting of base and non-pluggable protection module.
- Differential and common protection mode.
- High energy MOV (Metal Oxide Varistor) and GDT (Gas Discharge Tube) inside.
- Reliable supervision due to disconnection device.
- Fault indication by red indication flag in window.
- Fast response.
- With remote alarm terminal.

Differential and common mode DC Surge arrester for Photovoltaic protection against surges at the boundaries from lightning protection zone 0B-1 and higher.

Type	PV100/1000-MVGCDR	
In accordance with	IEC61643-1:2005; UL1449 ed.3	
Category IEC/VDE	I+II/ B+C	
Protection Mode	Differential mode & Common mode	
Nominal Voltage (DC)	1000VDC	
Max. continuous operating voltage (DC)	1060V	
Nominal discharge current(8/20) I_n	@ I_n	50KA
Max. discharge current(8/20) I_{max}	@ V_{PR}	100KA
Lightning impulse current (10/350) I_{imp}	12.5KA	
Voltage protection level at I_n	4 KV	
V_{PR} @6KV/3KA	<3KV	
Response time	≤25 ns	
Backup fuse(only required if not already provided in mains)	250A gL/gG	
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/IN46277-3	
Enclosure material	thermoplastic; extinguishing degree UL94 V-0	
Degree of protection	IP20	
Installation width	6 modules, DIN 43880	
Thermal disconnecter	Internal green – normal red - failure	
Remote alarm contact	Yes	
Additional data for Remote Alarm Contacts Remote alarm		
contact type	floating changeover contact	
Switching capability UN/IN	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A	
Cross-section of connection wire	Max. 1.5mm ²	