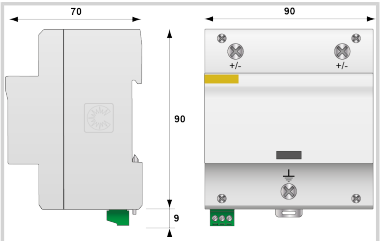
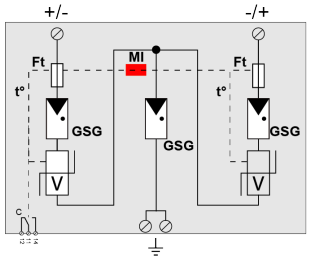
Type 1+2 PV surge protector - 1500 Vdc

DS60VGPV-1500G/51



- Type 1+2 surge protector for photovoltaic
- VG technology
- Ucpv: 1500 Vdc
- No leakage, no operating currents
- Improved life expectancy
- Iimp: 12,5 kA/pole
- Itotal: 25 kA
- Common/Differential mode protection
- Remote signaling
- IEC 61643-31, EN 61643-31, EN 50539-11 compliance





V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics		
SPD type	IEC	1+2
Network		PV 1250 Vdc
Nominal PV voltage	Uocstc	1250 Vdc
Max. PV operating voltage	Ucpv	1500 Vdc
Residual Current *Leakage current to Ground*	Ipe	None
PV Permanent Operating current *Current consumption at Ucpv*	Icpv	None
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	20 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	40 kA
Impulse current by pole *max. withstand 10/350µs by pole*	Iimp	12.5 kA
Total lightning current *max. total withstand @ 10/350µs*	Itotal	25 kA
Current withstand short circuit PV	Iscpv	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- *@ In (8/20µs)*	Up	5.4 kV
Protection level +/PE (-/PE) *@ In (8/20µs)*	Up	4.7 kV
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
Connection to Network		By screw terminals: 6-35mm²
Format		1-pole modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection SPD of the PV line
Disconnection indicator		1 mechanical indicator
Remote signaling of disconnection		Output on changeover contact - 250 Vac/0.5 A (AC) - 30 Vdc/3A (DC)
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Back-up protection device		Without
Standards		
Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11
Certification		
Part number		
3956		