

DS60VGPV-1500G/51



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

Electrical Characteristics		
SPD type		1+2
Network		PV network 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 $15 \times 8/20 \mu\text{s impulses}$	In	20 kA
Max. discharge current max. withstand @ $8/20 \mu\text{s by pole}$	Imax	40 kA
Impulse current by pole max. withstand $10/350 \mu\text{s by pole}$	Imp	12.5 kA
Total lightning current max. total withstand @ $10/350 \mu\text{s}$	Itotal	25 kA
Current withstand short circuit PV	Iscpv	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ $In (8/20 \mu\text{s})$	Up	5.4 kV
Protection level +/PE (-/PE) @ $In (8/20 \mu\text{s})$	Up	4.7 kV
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
Connection to Network		By screw terminals: 6-35mm ²
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

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

Thermal disconnection system
 MI: Disconnection indicator

