



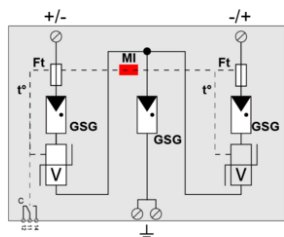
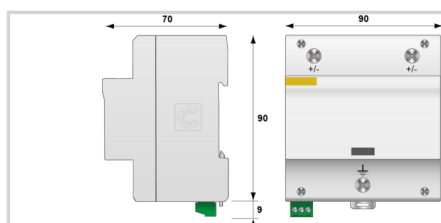
CITEL

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	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	Icpv None
Current consumption at Ucpv	
Follow current	If None
Nominal discharge current	In 20 kA
15 x 8/20 μ s impulses	
Max. discharge current	Imax 40 kA
max. withstand @ 8/20 μ s by pole	
Impulse current by pole	Iimp 12.5 kA
max. withstand 10/350 μ s by pole	
Total lightning current	Itotal 25 kA
max. total withstand @ 10/350 μ s	
Current withstand short circuit PV	Iscpv 15 000 A
Connection mode(s)	+/-PE
Protection mode(s)	Common/Differential mode
Protection level +/-	Up 5.4 kV
@ In (8/20 μ s)	
Protection level +/-PE (-/PE)	Up 4.7 kV
@ In (8/20 μ s)	

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
Weight	0.67 kg

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

