



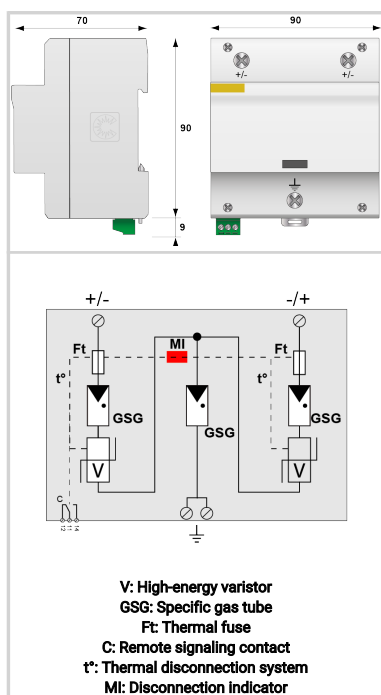
CITEL

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



Electrical Characteristics

SPD type	IEC	1+2
Network		PV 1250 Vdc
Nominal PV voltage	Uocsc	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 15 x 8/20 μ s impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max}	40 kA
Impulse current by pole max. withstand 10/350 μ s by pole	Iimp	12.5 kA
Total lightning current max. total withstand @ 10/350 μ s	I _{total}	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 μ s)	Up	5.4 kV
Protection level +/-PE (-/PE) @ In (8/20 μ 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

