



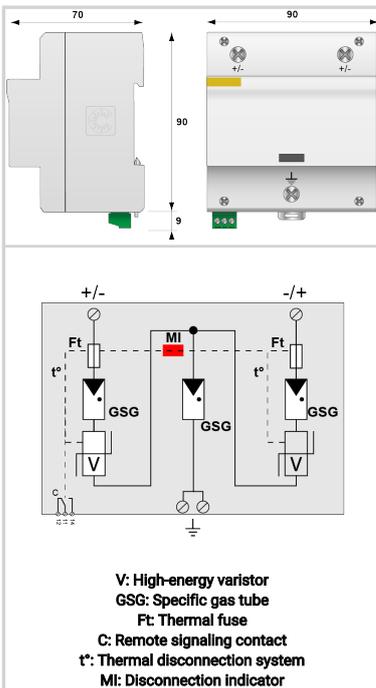
CITEL

Type 1+2 PV surge protector - 1500 Vdc

DS60VGPV-600G/51



- Type 1+2 surge protector for photovoltaic
- VG technology
- 600 Vdc
- No leakage, no operating currents
- Improved life expectancy
- Iimp: 12.5 kA/pole
- Common/Differential mode protection
- Remote signaling
- IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance



Electrical Characteristics

SPD type	IEC	1+2
Network		PV 500 Vdc
Nominal PV voltage	Uocstc	600 Vdc
Max. PV operating voltage	Ucpv	720 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	I _{max}	40 kA
Impulse current by pole max. withstand 10/350 μs by pole	I _{imp}	12.5 kA
Total lightning current max. total withstand @ 10/350 μs	I _{total}	25 kA
Current withstand short circuit PV	I _{scpv}	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ In (8/20 μs)	Up	2.8 kV
Protection level +/-PE (-/PE) @ In (8/20 μs)	Up	2.2 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 / UL1449 ed.5
Certification		

Part number

3963

