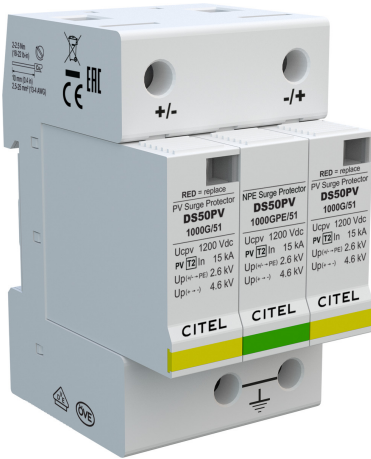




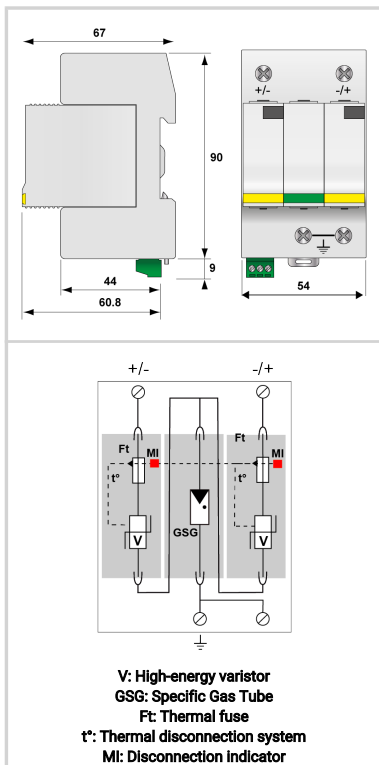
CITEL

Type 2 PV surge protector

DS50PV-1000G/51



- Type 2 surge protector for Photovoltaic
- PV voltage : 1000 Vdc
- In : 15 kA
- I_{max} : 40 kA
- Pluggable module
- Remote signaling (option)
- EN 61643-31 / NF EN 50539-11 compliance



Electrical Characteristics

SPD type	IEC	2
Network		PV network 1000 Vdc
Nominal PV voltage	Uocstc	1000 Vdc
Max. PV operating voltage	Ucpv	1200 Vdc
Residual Current Leakage current to Ground	I _{pe}	None
PV Permanent Operating current Current consumption at Ucpv	I _{cpv}	< 0.1 mA
Follow current	I _f	None
Nominal discharge current 15 x 8/20 μs impulses	I _n	15 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	40 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	60 kA
Current withstand short circuit PV	I _{scpv}	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ I _n (8/20μs)	U _p	4.6 kV
Protection level +/-PE (-/PE) @ I _n (8/20μs)	U _p	2.6 kV

Mechanical Characteristics

Technology		MOV+GDT
Connection to Network		By screw terminals: 2.5-25mm ²
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T _u	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection SPD of the PV line
Disconnection indicator		2 mechanical indicators - Red/Green
Spare module(s)		DSM50PV-1000G/51
Remote signaling of disconnection		Option DS50PVS-1000G/51 - output on changeover contact
Dimensions		See diagram

Disconnectors

Thermal disconnector		Internal
Back-up protection device		Without

Standards

Standards compliance		EN 61643-31 / EN 50539-11
Certification		

Part number

480381

