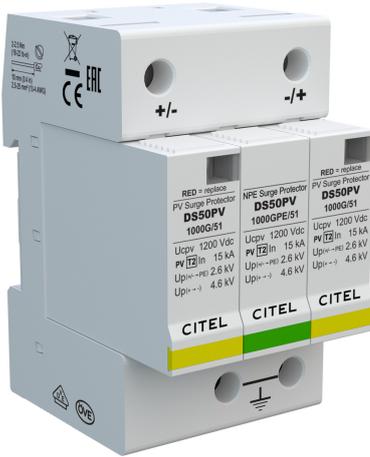




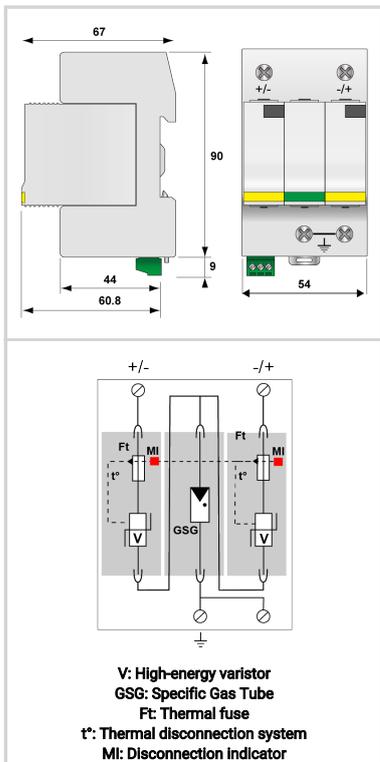
# CITEL

## Type 2 PV surge protector

### DS50PV-1000G/51



- Type 2 surge protector for Photovoltaic
- PV voltage : 1000 Vdc
- In : 15 kA
- Imax : 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	Ipe	None
PV Permanent Operating current Current consumption at Ucpv	Icpv	< 0.1 mA
Follow current	If	None
Nominal discharge current 15 x 8/20 μs impulses	In	15 kA
Max. discharge current max. withstand @ 8/20 μs by pole	Imax	40 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	Imax Total	60 kA
Current withstand short circuit PV	Iscpv	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ In (8/20μs)	Up	4.6 kV
Protection level +/-PE (-/PE) @ In (8/20μs)	Up	2.6 kV

#### Mechanical Characteristics

Technology		MOV+GDT
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup>
Format		Plug-in 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		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
Weight		0.285 kg

#### Disconnectors

Thermal disconnector		Internal
Back-up protection device		Without

#### Standards

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

#### Part number

**480381**

