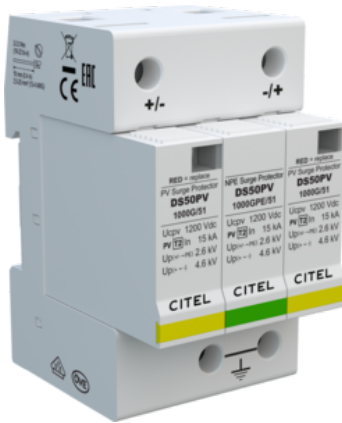




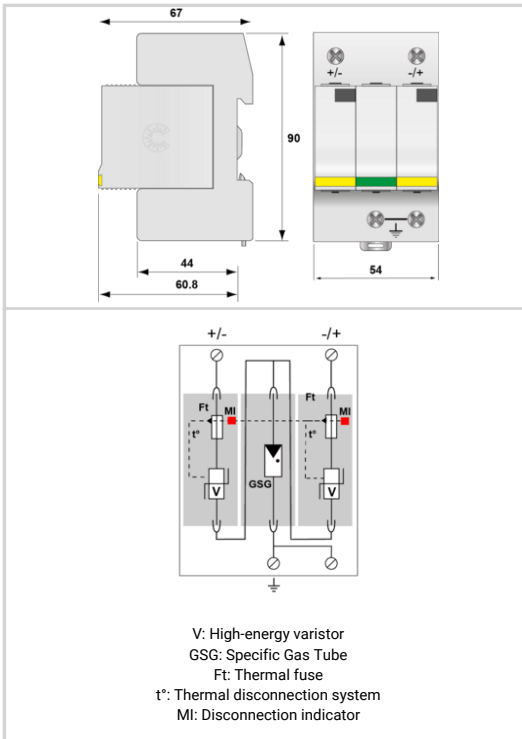
## Type 2 PV surge protector

# CITEL

### 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	Ipe	None
Leakage current to Ground		
PV Permanent Operating current	Icpv	< 0.1 mA
Current consumption at Ucpv		
Follow current	If	None
Nominal discharge current	In	15 kA
15 x 8/20 $\mu$ s impulses		
Max. discharge current	Imax	40 kA
max. withstand @ 8/20 $\mu$ s by pole		
Total Maximum discharge current	Imax Total	60 kA
max. total withstand @ 8/20 $\mu$ s		
Current withstand short circuit PV	Iscpv	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ In (8/20 $\mu$ s)	Up	4.6 kV
Protection level +/-PE (-/PE) @ In (8/20 $\mu$ s)	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		

