



# CITEL



## Type 2 PV surge protector

### DSM50PV-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 <i>Leakage current to Ground</i>	Ipe	None
PV Permanent Operating current <i>Current consumption at Ucpv</i>	Icpv	< 0.1 mA
Follow current	If	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	In	15 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax	40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	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 +/- <i>@ In (8/20μs)</i>	Up	4.6 kV
Protection level +/-PE (-/PE) <i>@ In (8/20μs)</i>	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		
480380		

