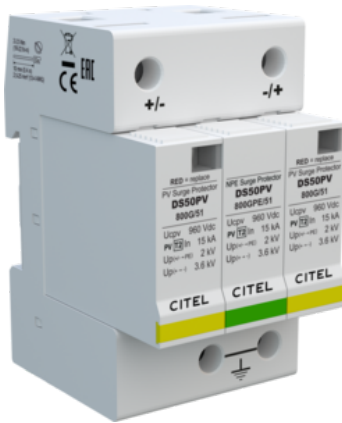




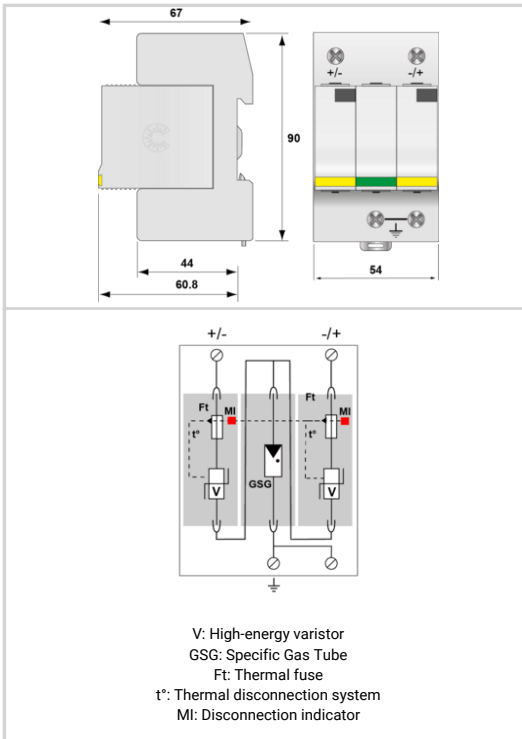
## Type 2 PV surge protector

# CITEL

## DS50PV-800G/51



- Type 2 surge protector for PV
- PV voltage: 800 Vdc
- In : 15 kA
- I<sub>max</sub> : 40 kA
- Pluggable module
- Remote signaling (option)
- UTE C61-740-51, EN 50539-11 compliance



Electrical Characteristics		
SPD type		2
Network		PV network 800 Vdc
Nominal PV voltage	Uocstc	800 Vdc
Max. PV operating voltage	Ucpv	960 Vdc
Residual Current Leakage current to Ground	I <sub>pe</sub>	None
PV Permanent Operating current Current consumption at Ucpv	I <sub>cpv</sub>	< 0.1 mA
Follow current	I <sub>f</sub>	None
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub>	15 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	40 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max Total</sub>	60 kA
Current withstand short circuit PV	I <sub>scpv</sub>	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ I <sub>n</sub> (8/20μs)	U <sub>p</sub>	3.6 kV
Protection level +/-PE (-/PE) @ I <sub>n</sub> (8/20μs)	U <sub>p</sub>	2 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	T <sub>u</sub>	-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-800G/51 / DSM50PV-800GPE/51
Remote signaling of disconnection		Option DS50PVS-800G/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		
480281		

