

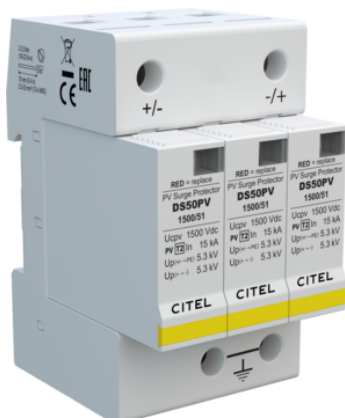


Type 2 PV surge protector

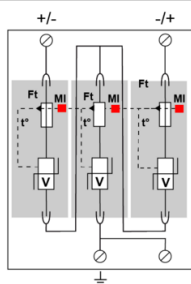
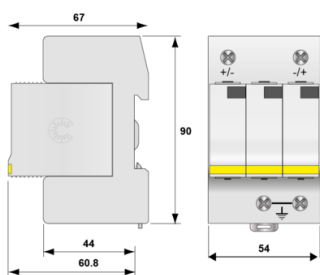
CITEL

DS50PV-1500/51

PHOTOVOLTAIC



- Type 2 surge protector for PV
- In : 15kA / Imax : 40kA
- Pluggable
- Remote signaling (option)
- EN 61643-31 / EN 50539-11 compliant



V: High-energy varistor
Ft: Thermal fuse
t*: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics	
SPD type (following IEC tests)	2
Network	PV network 1250 Vdc
Nominal PV voltage	Uocstc 1250 Vdc
Max. PV operating voltage	Ucpv 1500 Vdc
Residual Current (Leakage current to Ground)	Ipe < 0.1 mA
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 +/PE (-/PE) (@ In (8/20μs))	Up 5.3 kV
Mechanical Characteristics	
Technology	MOV
Connection to Network	Screw terminals: 2.5-25 mm ²
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (DIN 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	1 mechanical indicator by pole
Spare module(s)	DSM50PV-1500/51
Remote signaling of disconnection	Option DS50PVS-1500/51 output change over contact
Dimensions	See diagram
Weight	0.332 kg
Disconnectors	
Thermal disconnector	Internal
Fuses	Without
Standards	
Standards compliance	IEC 61643-31 / EN 61643-31 / EN 50539-11
Certification	UL / EAC / TÜV
Part number	
480521	