



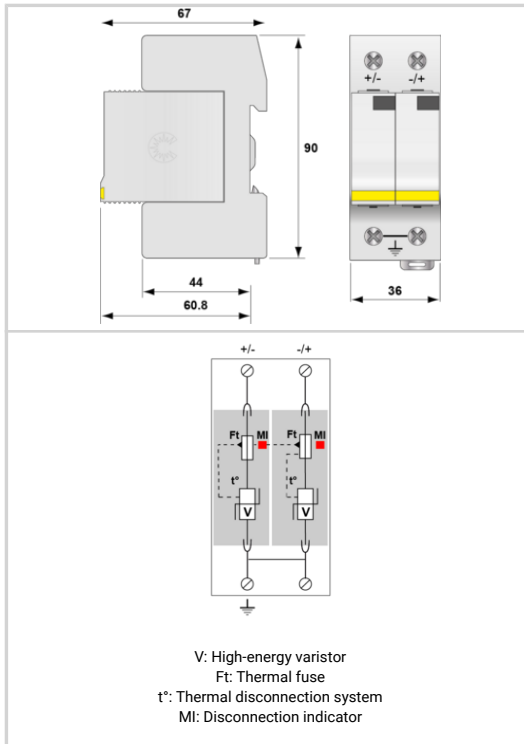
Type 2 PV surge protector

CITEL

DS50PV-500/51



- Type 2 surge protector for Photovoltaic
- PV Voltage: 500 Vdc
- In : 15 kA
- I_{max} : 40 kA
- Pluggable module
- Remote signaling (option)
- IEC 61643-31/EN61643-31 compliance



Electrical Characteristics	
SPD type	2
Network	PV network 500 Vdc
Nominal PV voltage	Uocsc 500 Vdc
Max. PV operating voltage	Ucpv 600 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	I _{max} 40 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total 60 kA
Current withstand short circuit PV	Iscpv 15 000 A
Connection mode(s)	+/-/PE
Protection mode(s)	Common mode
Protection level +/-PE (-/PE) @ In (8/20μs)	Up 2.2 kV
Mechanical Characteristics	
Technology	MOV
Connection to Network	By screw terminals: 2.5-25mm ²
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
Spare module(s)	DSM50PV-500/51
Remote signaling of disconnection	Option DS50PVS-500/51 - output on changeover contact
Dimensions	See diagram
Weight	0.235 kg
Disconnectors	
Thermal disconnector	Internal
Back-up protection device	Without
Standards	
Standards compliance	EN 61643-31 / EN 50539-11
Certification	
Part number	
480121	

