



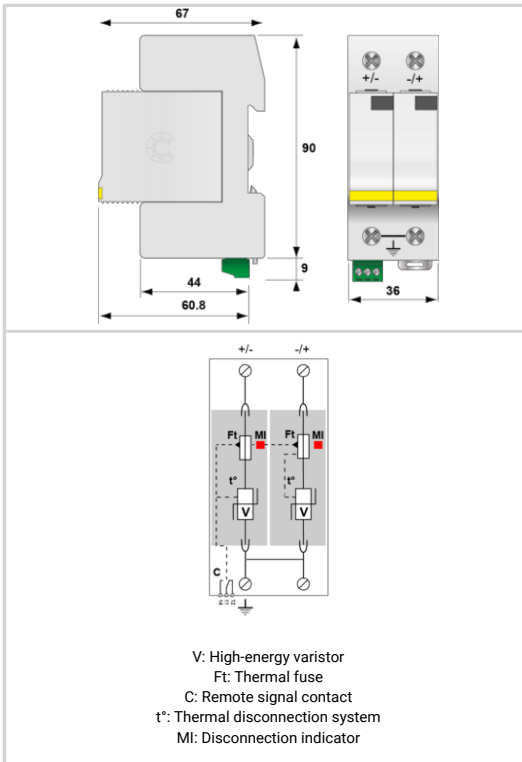
Type 2 PV surge protector

CITEL

DS50PVS-500/51



- ↳ Type 2 surge protector for PV
- ↳ In : 15kA / I_{max} : 40kA
- ↳ Pluggable
- ↳ Remote signaling
- ↳ UL1149 ed.5 certified
- ↳ EN 61643-31, NF EN 50539-11 compliant



Electrical Characteristics	
SPD type	2
Network	PV network 500 Vdc
Nominal PV voltage	Uocstc 500 Vdc
Max. PV operating voltage	Ucpv 600 Vdc
Residual Current Leakage current to Ground	I _{pe} < 0.1 mA
PV Permanent Operating current Current consumption at Ucpv	I _{cpv} < 0.1 mA
Follow current	I _f None
Nominal discharge current 15 x 8/20 μs impulses	I _n 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	I _{scpv} 15 000 A
Connection mode(s)	+/-/PE
Protection mode(s)	Common mode
Protection level +/-PE (-/PE) @ I _n (8/20μs)	U _p 2.2 kV
Mechanical Characteristics	
Technology	MOV
Connection to Network	By screw terminals: 2.5-25mm ² / by bus
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	T _u -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	Output on changeover contact
Dimensions	See diagram
Disconnectors	
Thermal disconnector	Internal
Back-up protection device	Without
Standards	
Standards compliance	IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Certification	UL Recognized
Part number	
480171	

