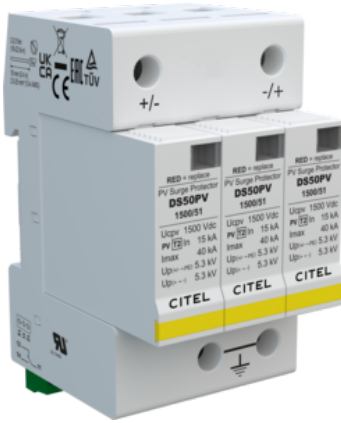




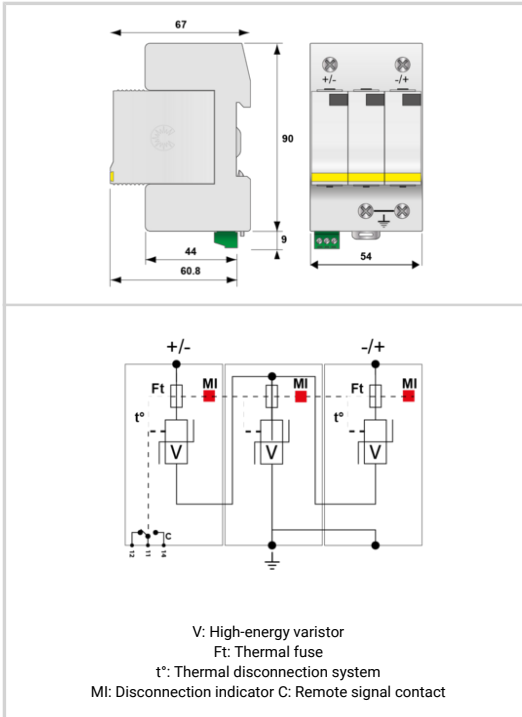
## Type 2 PV surge protector

# CITEL

## DS50PVS-1500/51



- ↳ Type 2 surge protector for PV
- ↳ In: 15kA / I<sub>max</sub>: 40kA
- ↳ Pluggable
- ↳ Remote signaling
- ↳ IEC 61643-31, EN 61643-31, EN 50539-11 and UL1449 ed.5 certified



Electrical Characteristics	
SPD type	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	I <sub>pe</sub> < 0.1 mA
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
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> 5.3 kV
Mechanical Characteristics	
Technology	MOV
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> / by bus
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	3 mechanical indicators
Spare module(s)	DSM50PV-1500/51
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Weight	0.334 kg
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	UL1449 ed.5
Part number	
480571	

