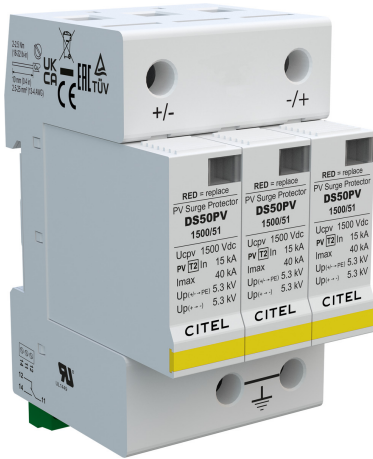




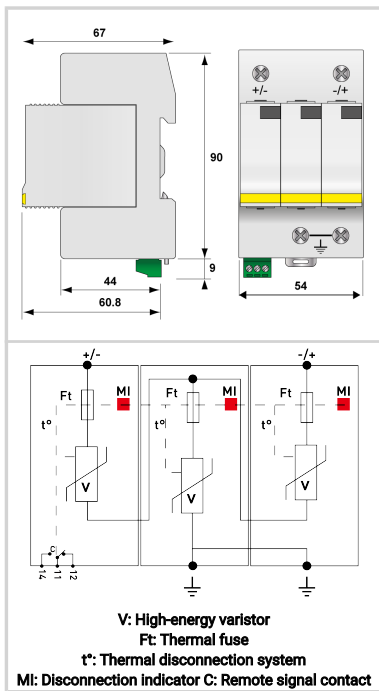
CITEL

Type 2 PV surge protector

DS50PVS-1500/51



- ▶ Type 2 surge protector for PV
- ▶ In: 15kA / I_{max}: 40kA
- ▶ Pluggable
- ▶ Remote signaling
- ▶ IEC 61643-31, EN 61643-31, EN 50539-11 and UL1449 ed.5 certified



Electrical Characteristics

SPD type	IEC	2
Network		PV 1250 Vdc
Nominal PV voltage	U _{ocstc}	1250 Vdc
Max. PV operating voltage	U _{cpv}	1500 Vdc
Residual Current	I _{pe}	< 0.2 mA
Leakage current to Ground		
PV Permanent Operating current	I _{cpv}	< 0.1 mA
Current consumption at U _{cpv}		
Follow current	I _f	None
Nominal discharge current	I _n	15 kA
15 x 8/20 μs impulses		
Max. discharge current	I _{max}	40 kA
max. withstand @ 8/20 μs by pole		
Current withstand short circuit PV	I _{scpv}	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ I _n (8/20 μs)	U _p	5.3 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		3 mechanical indicators
Spare module(s)		DSM50PV-1500/51
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		UL1449 ed.5

Part number

480571

