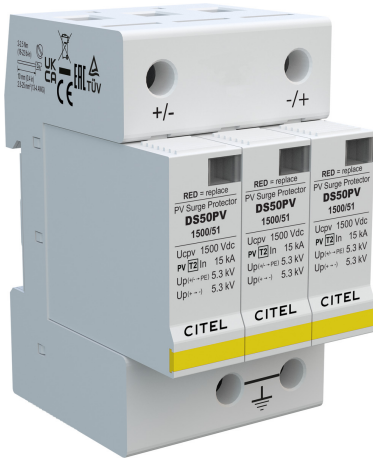




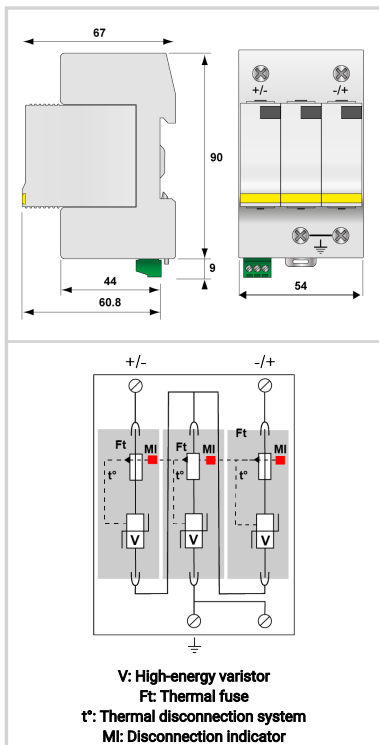
CITEL

Type 2 PV surge protector

DS50PV-1500/51



- ▶ Type 2 surge protector for PV
- ▶ In : 15kA / I_{max} : 40kA
- ▶ Pluggable
- ▶ Remote signaling (option)
- ▶ 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	Uocstc	1250 Vdc
Max. PV operating voltage	Ucpv	1500 Vdc
Residual Current Leakage current to Ground	I _{pe}	< 0.2 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/Differential mode
Protection level +/-PE (-/PE) @ I _n (8/20μs)	U _p	5.3 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	T _u	-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

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 / TÜV

Part number

480521

