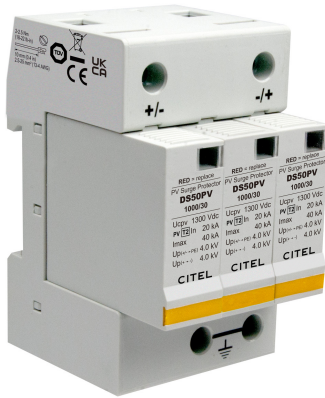




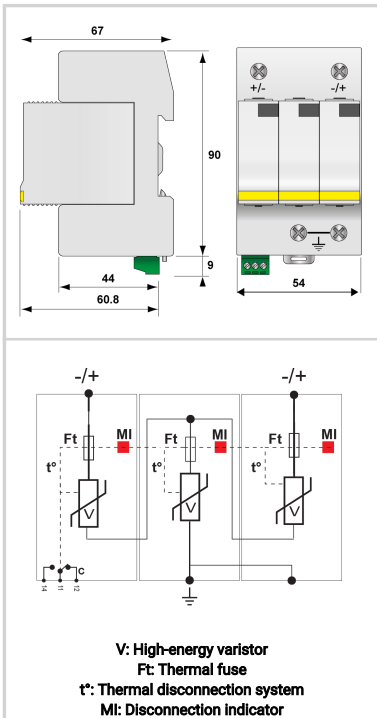
CITEL

Type 2 PV surge protector

DS50PV-1000/30



- › Type 2 surge protector for PV
- › In: 20kA / I_{max} : 40kA
- › Pluggable
- › Remote signaling (option)
- › IEC 61643-31, EN 61643-31 and EN 50539-11 certified
- › UL1449 ed.5 compliance



Electrical Characteristics

SPD type	IEC	2
Network		PV network 1000 Vdc
Nominal PV voltage	Uocstc	1000 Vdc
Max. PV operating voltage	Ucpv	1300 Vdc
Max. PV operating voltage (star mounting)	Ucpv	1300 Vdc
Residual Current <i>Leakage current to Ground</i>	I _{pe}	< 0.2 mA
PV Permanent Operating current <i>Current consumption at Ucpv</i>	I _{cpv}	< 0.1 mA
Follow current	I _f	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I _n	20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	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 CM/DM <i>@ I_n (8/20μs)</i>	U _{p mc /md}	4.0 kV/4.0 kV

Mechanical Characteristics

Technology		MOV
Connection to Network		By screw terminals: 2.5-25mm ²
Format		Monobloc 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
Remote signaling of disconnection		Option DS50PVS-1000/30: Output on changeover contact
Dimensions		See diagram

Disconnectors

Thermal disconnector		Internal
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Standards

Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Certification		TUV Süd

Part number

48030110

