



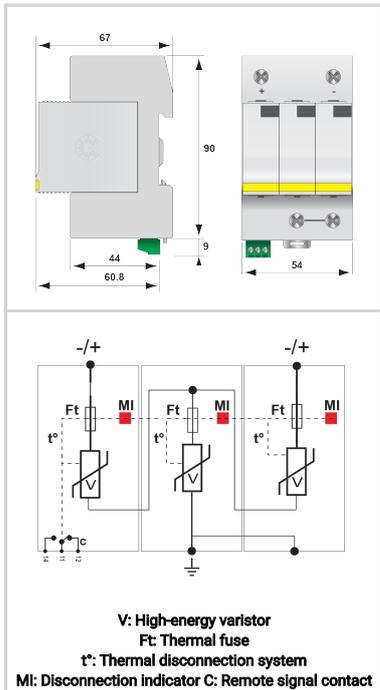
CITEL

Type 2 PV surge protector

DS50PVS-1000/DE



- 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	IEC	2
Network		PV network 1000 Vdc
Nominal PV voltage	U _{ocstc}	1000 Vdc
Max. PV operating voltage	U _{cpv}	1300 Vdc
Residual Current <i>Leakage current to Ground</i>	I _{pe}	< 0.2 mA
PV Permanent Operating current <i>Current consumption at U_{cpv}</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 level <i>@ I_n (8/20μs)</i>	U _p	4.0 kV

Mechanical Characteristics

Technology		MOV
Connection to Network		By screw terminals: 2.5-25mm ²
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		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		TUV Süd

Part number

480311

