



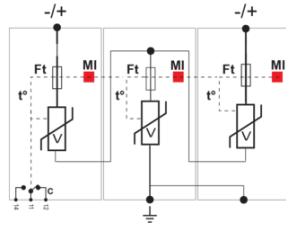
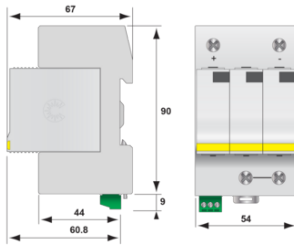
Type 2 PV surge protector

CITEL

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



V: High-energy varistor
 Ft: Thermal fuse
 t*: Thermal disconnection system
 MI: Disconnection indicator

Electrical Characteristics	
SPD type	2
Network	PV network 1000 Vdc
Nominal PV voltage	U _{ocstc} 1000 Vdc
Max. PV operating voltage	U _{cpv} 1300 Vdc
Max. PV operating voltage (star mounting)	U _{cpv} 1300 Vdc
Residual Current Leakage current to Ground	I _{pe} < 0.1 mA
PV Permanent Operating current Current consumption at U _{cpv}	I _{cpv} < 0.1 mA
Follow current	I _f None
Nominal discharge current 15 x 8/20 μs impulses	I _n 20 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 CM/DM @ I _n (8/20μs)	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
Standards	
Standards compliance	IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Certification	TUV Süd
Part number	
48030110	

