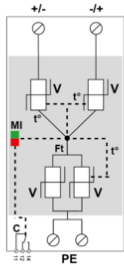
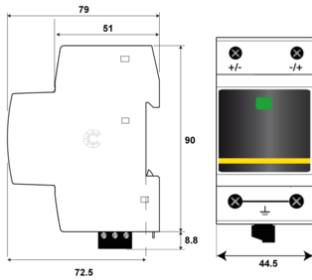




NEW CITEL PV SPD

- › Type 2+3 surge protector for Photovoltaic
- › CTC Technology
- › Discharge currents I_{max}/I_{total} : 40/60 kA (8/20 μ s)
- › Common/Differential mode protection
- › Remote signaling
- › IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance
- › Certified EN 61643-31 and IEC 61643-31



V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t*: Thermal disconnection system
MI: Mechanical disconnection indicator

Electrical Characteristics

SPD type	2+3
Network	PV 1200 Vdc
Nominal PV voltage	Uocstc 1000 Vdc
Max. PV operating voltage	Ucpv 1200 Vdc
Residual Current Leakage current to Ground	Ipe < 0.1 mA
PV Permanent Operating current Current consumption at Ucpv	Icpv < 0.1 mA
Follow current	If None
Nominal discharge current 15 x 8/20 μ s impulses	In 20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max} 40 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μ s - 8/20 μ s	Uoc 6 kV
Current withstand short circuit PV	Iscpv 15 000 A
Connection mode(s)	+/-/PE
Protection level +/- @ In (8/20 μ s)	Up 4.3 kV
Protection level +/-PE (-/PE) @ In (8/20 μ s)	Up 4,1 kV
Protection level at 5 kA @ 5 kA (8/20 μ s)	Up 3,5 kV
Protection level at Uoc @ Uoc (1.2/50 μ s)	Up 3,1 kV

Mechanical Characteristics

Technology	MOV
Connection to Network	By screw terminals: 2.5-25mm ² (35mm ²) / by bus
Format	Compact monobloc box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	All pole disconnection from PV network
Disconnection indicator	1 mechanical indicator - Red/Green
Remote signaling of disconnection	Output on changeover contact
Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions	See diagram - 2.5TE (EN43880)

Disconnectors

Thermal disconnector	CTC Technology integrated
Back-up protection device	Without

Standards

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

Part number

65112102