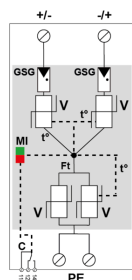
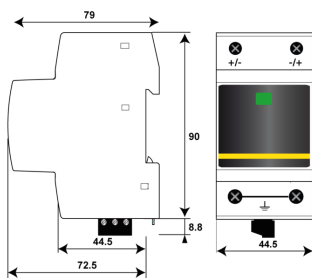




NEW CITEL PV SPD

- Type 2+3 surge protector for Photovoltaic
- CTC Technology
- VG 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
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t*: Thermal disconnection system
MI: Mechanical status indicator

Electrical Characteristics

SPD type	IEC	2+3
Network		PV 1500 Vdc
Nominal PV voltage	U_{ocstc}	1250 Vdc
Max. PV operating voltage	U_{cpv}	1500 Vdc
Residual Current Leakage current to Ground	I_{pe}	None
PV Permanent Operating Current Current consumption at U_{cpv}	I_{cpv}	None
Follow current	I_f	None
Nominal discharge current 15 x 8/20 μ s impulses	I_n	20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I_{max}	40 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	$I_{max Total}$	60 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μ s - 8/20 μ s	U_{oc}	6 kV
Current withstand short circuit PV	I_{scpv}	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ I_n (8/20 μ s)	U_p	4.8 kV
Protection level +/-PE (-/PE) @ I_n (8/20 μ s)	U_p	4.8 kV
Protection level at 5 kA @ 5 kA (8/20 μ s)	U_p	4.0 kV
Protection level at U_{oc} @ U_{oc} (1.2/50 μ s)	U_p	3.5 kV

Mechanical Characteristics

Technology		VG Technology (MOV+GSG)
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	T_u	-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)
Weight		0.290 kg

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

65122103