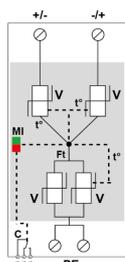
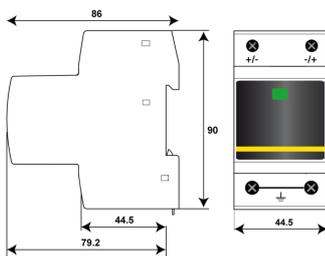




NEW CITEL PV SPD

- ✦ Type 1+2+3 surge protector for Photovoltaic
- ✦ CTC Technology
- ✦ Impulse currents I_{imp}/I_{total} : 6.25/12.5 kA (10/350 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	IEC	1+2+3
Network		PV 710 Vdc
Nominal PV voltage	U_{ocstc}	710 Vdc
Max. PV operating voltage	U_{cpv}	850 Vdc
Residual Current Leakage current to Ground	I_{pe}	< 0.2 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 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
Impulse current by pole max. withstand 10/350 μ s by pole	I_{imp}	6.25 kA
Total lightning current max. total withstand @ 10/350 μ s	I_{total}	12.5 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	3.3 kV
Protection level +/-PE (-/PE) @ I_n (8/20 μ s)	U_p	3.3 kV
Protection level at 5 kA @ 5 kA (8/20 μ s)	U_p	2,6 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	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
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

65211104