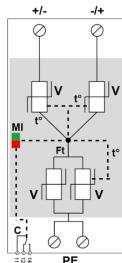
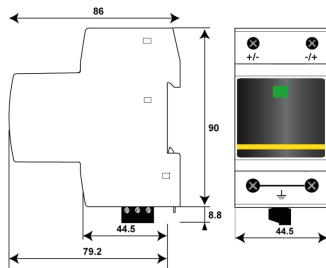




### NEW CITEL PV SPD

- Combined SPD type 1+2+3
- CTC-Technology
- Discharge capacity per pole: limp/total= 6.25/12.5 kA (10/350 µs); In/total= 15/60 kA (8/20 µs)
- Safe disconnecting device
- Fault-resistant Y-circuit
- Remote signaling
- Complies with the IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 and UTE C 61-740-51 standards
- Certified EN 61643-31 and IEC 61643-31



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

#### Electrical Characteristics

SPD type	IEC	1+2+3
Network		PV 1250 Vdc
Nominal PV voltage	Uocstc	1250 Vdc
Max. PV operating voltage	Ucpv	1500 Vdc
Residual Current	Ipe	< 0.2 mA
Leakage current to Ground		
PV Permanent Operating current	Icpv	< 0.1 mA
Current consumption at Ucpv		
Follow current	If	None
Nominal discharge current 15 x 8/20 µs impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	40 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total	60 kA
Impulse current by pole max. withstand 10/350µs by pole	Iimp	6.25 kA
Total lightning current max. total withstand @ 10/350µs	Itotal	12.5 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	6 kV
Current withstand short circuit PV	Isccpv	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ In (8/20µs)	Up	4.8 kV
Protection level +/PE (-/PE) @ In (8/20µs)	Up	4.8 kV

#### Mechanical Characteristics

Technology	MOV
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> ) / 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)
Weight	0.500 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	65212103

