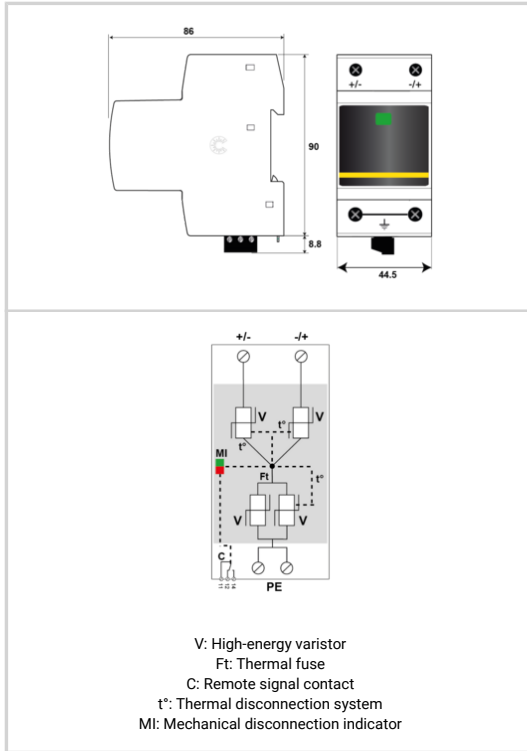




NEW CITEL PV SPD

- ▶ 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



Electrical Characteristics		
SPD type		1+2+3
Network		PV 600 Vdc
Nominal PV voltage	Uocstc	500 Vdc
Max. PV operating voltage	Ucpv	600 Vdc
Residual Current		
Leakage current to Ground	I _{pe}	< 0.1 mA
PV Permanent Operating current	I _{cpv}	< 0.1 mA
Current consumption at Ucpv		
Follow current	I _f	None
Nominal discharge current	I _n	20 kA
15 x 8/20 μ s impulses		
Max. discharge current	I _{max}	40 kA
max. withstand @ 8/20 μ s by pole		
Total Maximum discharge current	I _{max Total}	60 kA
max. total withstand @ 8/20 μ s		
Impulse current by pole	I _{imp}	6.25 kA
max. withstand 10/350 μ s by pole		
Total lightning current	I _{total}	12.5 kA
max. total withstand @ 10/350 μ s		
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	2.3 kV
Protection level +/-PE (-/PE) @ I _n (8/20 μ s)	U _p	2.3 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
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 2.5TE (EN43880)
Weight		0.350 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
Part number		65212101

