



**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



**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	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 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
Current withstand short circuit PV	Iscpv	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ In (8/20µs)	Up	2.3 kV
Protection level +/-PE (-/PE) @ In (8/20µs)	Up	2.3 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		0.350 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
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**Part number**

65212101

