



**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 $\mu$ 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 1500 Vdc
Nominal PV voltage	Uocstc	1250 Vdc
Max. PV operating voltage	Ucpv	1500 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 $\mu$ s impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	I <sub>max</sub>	40 kA
Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s	I <sub>max</sub> Total	60 kA
Impulse current by pole max. withstand 10/350 $\mu$ s by pole	I <sub>imp</sub>	6.25 kA
Total lightning current max. total withstand @ 10/350 $\mu$ s	I <sub>total</sub>	12.5 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 $\mu$ s - 8/20 $\mu$ s	Uoc	6 kV
Current withstand short circuit PV	Iscpv	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ In (8/20 $\mu$ s)	Up	4.8 kV
Protection level +/-PE (-/PE) @ In (8/20 $\mu$ s)	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		Option DPVN1-6CS-21Y-1500 - output on changeover contact
Dimensions		See diagram - 2.5TE (EN43880)

**Disconnectors**

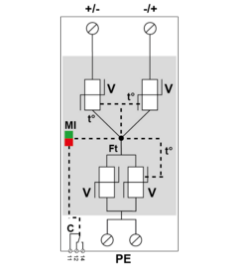
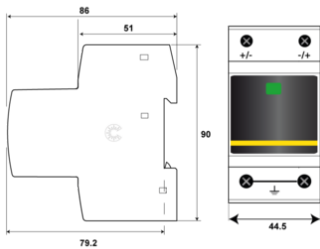
Thermal disconnector		CTC Technology integrated
Back-up protection device		Without

**Standards**

Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
----------------------	--	--

**Part number**

Part number		65211103
-------------	--	----------



V: High-energy varistor  
Ft: Thermal fuse  
t\*: Thermal disconnection system  
MI: Mechanical status indicator

