



CITEL



NEW CITEL PV SPD		
<ul style="list-style-type: none"> ➤ Type 1+2+3 surge protector for Photovoltaic ➤ CTC Technology ➤ Impulse currents limp/I_{total}: 6.25/12.5 kA (10/350μs) ➤ 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 		
<p>V: High-energy varistor F: Thermal fuse t°: Thermal disconnection system MI: Mechanical status indicator</p>		
Electrical Characteristics		
SPD type	IEC	1+2+3
Network		PV 1000 Vdc
Nominal PV voltage	U _{ocstc}	1000 Vdc
Max. PV operating voltage	U _{cpv}	1200 Vdc
Residual Current	I _{pe}	< 0.2 mA
Leakage current to Ground		
PV Permanent Operating current	I _{cpv}	< 0.1 mA
Current consumption at U _{cpv}		
Follow current	I _f	None
Nominal discharge current	I _n	20 kA
15 x 8/20 μs impulses		
Max. discharge current	I _{max}	40 kA
max. withstand @ 8/20 μs by pole		
Total Maximum discharge current	I _{max}	60 kA
max. total withstand @ 8/20 μs		
Impulse current per pole	I _{imp}	6.25 kA
max. withstand 10/350μs by pole		
Total lightning current	I _{total}	12.5 kA
max. total withstand @ 10/350μs		
Withstand on Combination waveform IEC 61643-11	U _{oc}	6 kV
Class III test: 1.2/500μs - 8/20μs		
Current withstand short circuit PV	I _{scpv}	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ In (8/20μs)	U _p	4.3 kV
Protection level +/PE (-/PE) @ In (8/20μs)	U _p	4.3 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		Option DPVN1-6CS-21Y-1200 - 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		65211102

