



NEW CITEL PV SPD

- Type 2+3 surge protector for Photovoltaic
- CTC Technology
- Discharge currents I_{max}/I_{total} : 40/60 kA (8/20 μ s)
- 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



Electrical Characteristics

SPD type		2
Network		PV 1200 Vdc
Nominal PV voltage	Uocstc	1000 Vdc
Max. PV operating voltage	Ucpv	1200 Vdc
Residual Current	Ipe	< 0.1 mA
Leakage current to Ground		
PV Permanent Operating current	Icpv	< 0.1 mA
Current consumption at Ucpv		
Follow current	If	None
Nominal discharge current	In	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		
Withstand on Combination waveform IEC 61643-11	Uoc	6 kV
Class III test: 1.2/50 μ s - 8/20 μ s		
Current withstand short circuit PV	Iscpv	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Differential/Common mode
Protection level +/-	Up	4.3 kV
@ In (8/20 μ s)		
Protection level +/-PE (-/PE)	Up	4,1 kV
@ In (8/20 μ s)		
Protection level at 5 kA	Up	3,5 kV
@ 5 kA (8/20 μ s)		
Protection level at Uoc	Up	3,1 kV
@ Uoc (1.2/50 μ s)		

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	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 DPVN40CS-21Y-1200 - output on changeover contact
Dimensions		See diagram - 2.5TE (EN43880)
Weight		0.285 kg

Disconnectors

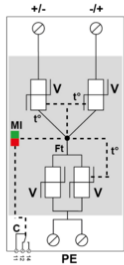
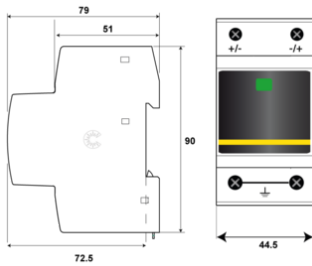
Thermal disconnector		CTC Technology integrated
Back-up protection device		Without

Standards

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

Part number

65111102



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