



CITEL

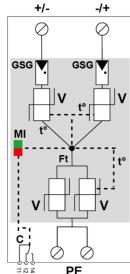
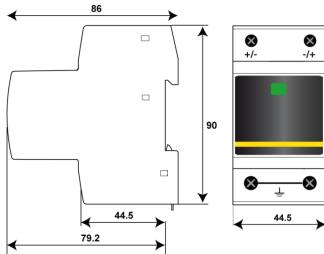
Type 1+2+3 PV surge protector - CTC Technology

DPVN1-6CVG-21Y-600



NEW CITEL PV SPD

- Type 1+2+3 surge protector for Photovoltaic
- CTC Technology
- VG Technology
- Impulse currents Iimp/Itotal: 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
- Certified EN 61643-31 and IEC 61643-31



V: High-energy varistor
GSG: Specific Gas Tube
Ft: Thermal fuse
MI: Mechanical status indicator

Electrical Characteristics		
SPD type	IEC	1+2+3
Network	PV	500 Vdc
Nominal PV voltage	Uocstc	500 Vdc
Max. PV operating voltage	Ucpv	600 Vdc
Residual Current	Ipe	None
Leakage current to Ground	Icpv	None
PV Permanent Operating current	If	None
Current consumption at Ucpv	In	20 kA
Follow current	Imax	40 kA
Nominal discharge current 15 x 8/20 μ s impulses	Imax	60 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	Iimp	6.25 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	Itotal	12.5 kA
Impulse current by pole max. withstand 10/350 μ s by pole		
Total lightning current max. total withstand @ 10/350 μ s		
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μ s - 8/20 μ 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 μ s)	Up	2.3 kV
Protection level +/PE (-/PE) @ In (8/20 μ s)	Up	2.3 kV
UL Electrical Characteristics		
UL Category	UL Listed Type 1	
Photovoltaic Direct Current Voltage rating(All modes)	Vpvdc	600 V
Voltage Protection Level(All modes)	VPR	2000 V
Nominal discharge current	In	20 kA
Short-Circuit Current Rating	SCCR	100 kA
Mechanical Characteristics		
Technology	VG Technology (MOV+GSG)	
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 DPVN1-6CVGS-21Y-600 - 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	
Certification	KEMA	
Part number		
65221101		

