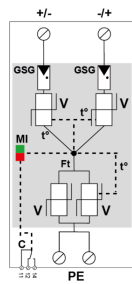
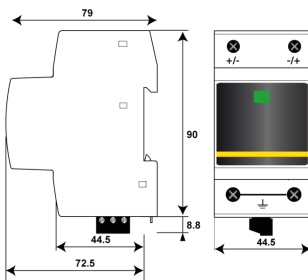


DPVN40CVGS-21Y-850



NEW CITEL PV SPD

- ✦ Type 2+3 surge protector for Photovoltaic
- ✦ CTC Technology
- ✦ VG 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



V: High-energy varistor
 GSG: Specific gas tube
 Ft: Thermal fuse
 C: Remote signaling contact
 t*: Thermal disconnection system
 MI: Mechanical status indicator

Electrical Characteristics			
SPD type	IEC	2+3	
Network		PV 850 Vdc	
Nominal PV voltage	Uocstc	710 Vdc	
Max. PV operating voltage	Ucpv	850 Vdc	
Residual Current Leakage current to Ground	Ipe	None	
PV Permanent Operating Current Current consumption at Ucpv	Icpv	None	
Follow current	If	None	
Nominal discharge current 15 x 8/20 μ s impulses	In	20 kA	
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max}	40 kA	
Total Maximum discharge current max. total withstand @ 8/20 μ s	I _{max Total}	60 kA	
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	3.3 kV	
Protection level +/-PE (-/PE) @ In (8/20 μ s)	Up	3.3 kV	
Protection level at 5 kA @ 5 kA (8/20 μ s)	Up	2,6 kV	
Protection level at Uoc @ Uoc (1.2/50 μ s)	Up	2,3 kV	
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		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		65122104	