

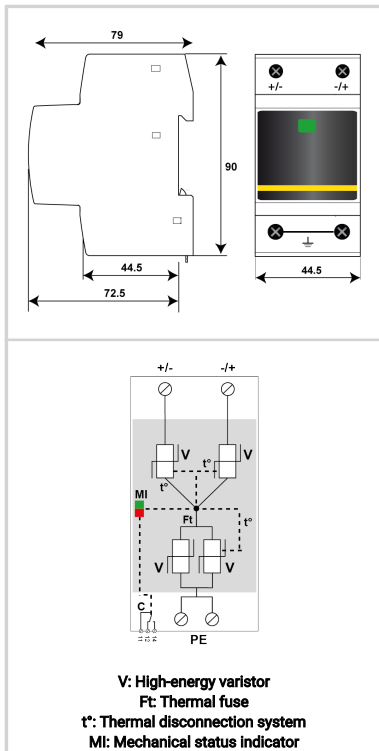


CITEL

DPVN40C-21Y-1500



- › Type 2+3 surge protector for Photovoltaic
- › CTC Technology
- › Discharge currents  $I_{max}/I_{total}$ : 40/60 kA (8/20 $\mu$ s)
- › Common/Differential mode protection
- › 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	IEC	2+3
Network		PV 1250 Vdc
Nominal PV voltage	Uocstc	1250 Vdc
Max. PV operating voltage	Ucpv	1500 Vdc
Residual Current Leakage current to Ground	Ipe	< 0.2 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
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)		Differential/Common mode
Protection level +/- @ In (8/20 $\mu$ s)	Up	4.8 kV
Protection level +/-PE (-/PE) @ In (8/20 $\mu$ s)	Up	4.6 kV
Protection level at 5 kA @ 5 kA (8/20 $\mu$ s)	Up	4.0 kV
Protection level at Uoc @ Uoc (1.2/50 $\mu$ s)	Up	3,5 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 DPVN40CS-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
Certification		KEMA
Part number		
65111103		

