



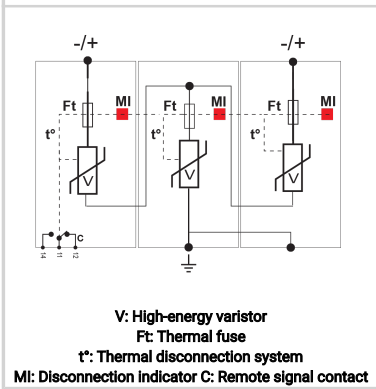
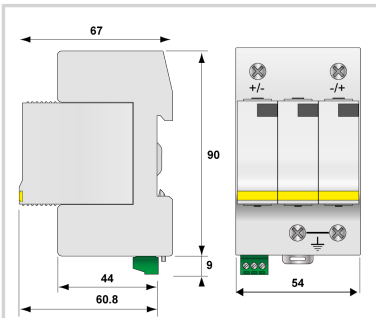
# CITEL

## Type 2 PV surge protector

### DS50PVS-1000/30



- › Type 2 surge protector for PV
- › In: 20kA / I<sub>max</sub>: 40kA
- › Pluggable
- › Remote signaling
- › UL 1449 ed.5 compliance
- › IEC 61643-31, EN 61643-31, EN 50539-11 certified



Electrical Characteristics		
SPD type	IEC	2
Network		PV network 1000 Vdc
Nominal PV voltage	Uocstc	1000 Vdc
Max. PV operating voltage	Ucpv	1300 Vdc
Residual Current Leakage current to Ground	I <sub>pe</sub>	< 0.2 mA
PV Permanent Operating current Current consumption at Ucpv	I <sub>cpv</sub>	< 0.1 mA
Follow current	I <sub>f</sub>	None
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub>	20 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	40 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max Total</sub>	60 kA
Current withstand short circuit PV	I <sub>scpv</sub>	15 000 A
Connection mode(s)		+/-/PE
Protection level @ I <sub>n</sub> (8/20μs)	U <sub>p</sub>	4.0 kV
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup>
Operating temperature	T <sub>u</sub>	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection SPD of the PV line
Disconnection indicator		3 mechanical indicators
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Back-up protection device		Without
Standards		
Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Certification		TUV Süd
Part number		
48031110		

