



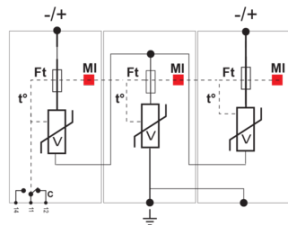
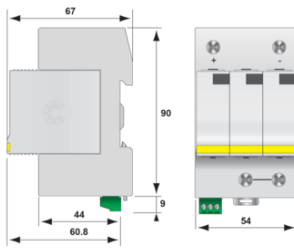
## Type 2 PV surge protector

# CITEL

## 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



V: High-energy varistor  
 Ft: Thermal fuse  
 t\*: Thermal disconnection system  
 MI: Disconnection indicator C: Remote signal contact

### Electrical Characteristics

SPD type		2
Network		PV network 1000 Vdc
Nominal PV voltage	Uocstc	1000 Vdc
Max. PV operating voltage	Ucpv	1300 Vdc
Residual Current	I <sub>pe</sub>	< 0.1 mA
Leakage current to Ground		
PV Permanent Operating current	I <sub>cpv</sub>	< 0.1 mA
Current consumption at Ucpv		
Follow current	I <sub>f</sub>	None
Nominal discharge current	I <sub>n</sub>	20 kA
15 x 8/20 μs impulses		
Max. discharge current	I <sub>max</sub>	40 kA
max. withstand @ 8/20 μs by pole		
Total Maximum discharge current	I <sub>max Total</sub>	60 kA
max. total withstand @ 8/20 μs		
Current withstand short circuit PV	I <sub>scpv</sub>	15 000 A
Connection mode(s)		+/-/PE
Protection level	U <sub>p</sub>	4.0 kV
@ I <sub>n</sub> (8/20μs)		

### 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

