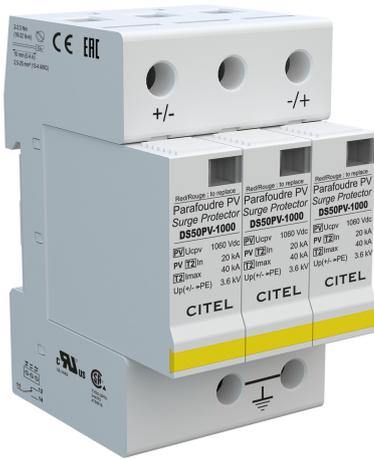




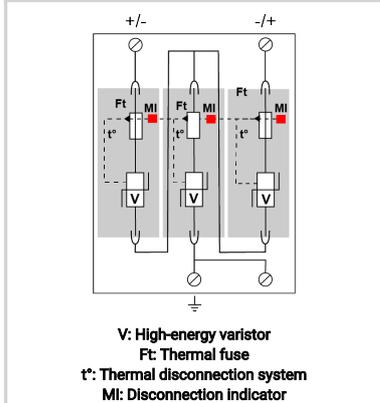
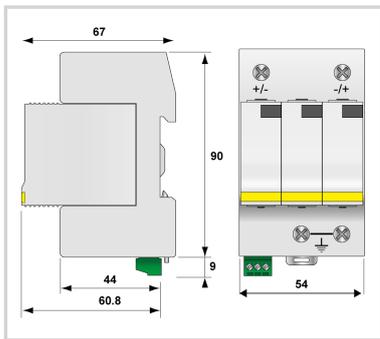
# CITEL

## Type 2 PV surge protector

### DS50PV-1000



- Type 2 surge protector for PV
- In : 20kA / I<sub>max</sub> : 40kA
- Pluggable
- Remote signaling (option)
- Certified UL1449 ed.5
- Compliance EN 50539-11 / IEC 61643-31 / EN 61643-31



#### Electrical Characteristics

SPD type	IEC	2
Nominal PV voltage	U <sub>ocstc</sub>	1000 Vdc
Max. PV operating voltage	U <sub>cpv</sub>	1060 Vdc
Residual Current <i>Leakage current to Ground</i>	I <sub>pe</sub>	None
PV Permanent Operating current <i>Current consumption at U<sub>cpv</sub></i>	I <sub>cpv</sub>	< 1 mA
Follow current	I <sub>f</sub>	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I <sub>n</sub>	20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I <sub>max</sub>	40 kA
Current withstand short circuit PV	I <sub>scpv</sub>	1000 A
Protection mode(s)		Common/Differential mode
Residual voltage at 5 kA <i>@ 5 kA (8/20 μs)</i>	Up-5kA	3 kV
Protection level +/-PE (-/PE) <i>@ I<sub>n</sub> (8/20 μs)</i>	Up	3.6 kV

#### Mechanical Characteristics

Connection to Network		By screw terminals: 4-25mm <sup>2</sup> / by bus
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T <sub>u</sub>	-40/+85°C
Protection rating		IP20
Disconnection indicator		1 mechanical indicator by pole - Red/Green
Remote signaling of disconnection		Option DS50PVS-1000 - output on changeover contact
Dimensions		See diagram
Weight		0.268 kg

#### Disconnectors

Thermal disconnector		Internal
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#### Standards

Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Certification		UL

#### Part number

480302

