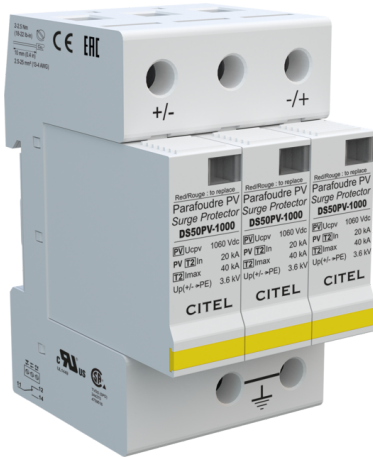




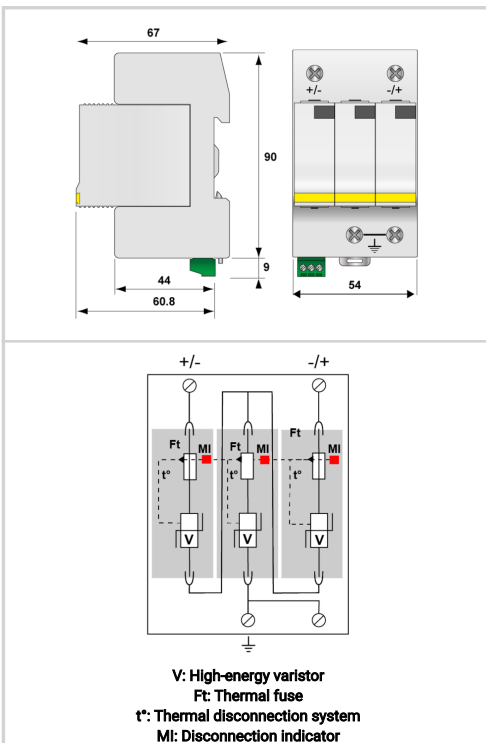
CITEL

Type 2 PV surge protector

DS50PV-1000



- ▶ Type 2 surge protector for PV
- ▶ In : 20kA / I_{max} : 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 _{ocstc}	1000 Vdc
Max. PV operating voltage	U _{cpv}	1060 Vdc
Residual Current <i>Leakage current to Ground</i>	I _{pe}	None
PV Permanent Operating current <i>Current consumption at U_{cpv}</i>	I _{cpv}	< 1 mA
Follow current	I _f	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I _n	20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	40 kA
Current withstand short circuit PV	I _{scpv}	1000 A
Protection mode(s)		Common/Differential mode
Residual voltage at 5 kA <i>@ 5 kA (8/20 μs)</i>	U _{p-5kA}	3 kV
Protection level +/-PE (-/PE) <i>@ I_n (8/20 μs)</i>	U _p	3.6 kV

Mechanical Characteristics

Connection to Network		By screw terminals: 4-25mm ² / by bus
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T _u	-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

