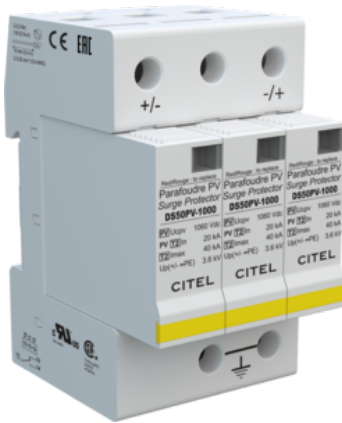




## Type 2 PV surge protector

# CITEL

## 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 <sub>pe</sub>	None
Leakage current to Ground		
PV Permanent Operating current	I <sub>cpv</sub>	< 1 mA
Current consumption at U <sub>cpv</sub>		
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		
Current withstand short circuit PV	I <sub>scpv</sub>	1000 A
Protection mode(s)		Common/Differential mode
Residual voltage at 5 kA	U <sub>p-5kA</sub>	3 kV
@ 5 kA (8/20μs)		
Protection level +/PE (-/PE)	U <sub>p</sub>	3.6 kV
@ I <sub>n</sub> (8/20μs)		
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
Standards		
Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Certification		UL
Part number		
480302		

