



# CITEL

## Type 2 PV surge protector

### DS50PV-600



- ↳ 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		2
Nominal PV voltage	U <sub>ocstc</sub>	600 Vdc
Max. PV operating voltage	U <sub>cpv</sub>	680 Vdc
Residual Current		
Leakage current to Ground	I <sub>pe</sub>	None
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 mode
Protection level +/-	U <sub>p</sub>	5.1 kV
@ I <sub>n</sub> (8/20μs)		
Protection level +/-PE (-/PE)	U <sub>p</sub>	2.5 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-600 - output on changeover contact
Dimensions		See diagram
Weight		0.216 kg
Disconnectors		
Thermal disconnector		Internal
Standards		
Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Certification		UL
Part number		
<b>480401</b>		

