



CITEL

Type 2 PV surge protector

DS50PV-600



- ↳ 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		2
Nominal PV voltage	U _{ocstc}	600 Vdc
Max. PV operating voltage	U _{cpv}	680 Vdc
Residual Current		
Leakage current to Ground	I _{pe}	None
PV Permanent Operating current		
Current consumption at U _{cpv}	I _{cpv}	< 1 mA
Follow current	I _f	None
Nominal discharge current		
15 x 8/20 μs impulses	I _n	20 kA
Max. discharge current		
max. withstand @ 8/20 μs by pole	I _{max}	40 kA
Current withstand short circuit PV	I _{scpv}	1000 A
Protection mode(s)		Common mode
Protection level +/-		
@ I _n (8/20μs)	U _p	5.1 kV
Protection level +/-PE (-/PE)		
@ I _n (8/20μs)	U _p	2.5 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-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		
480401		

