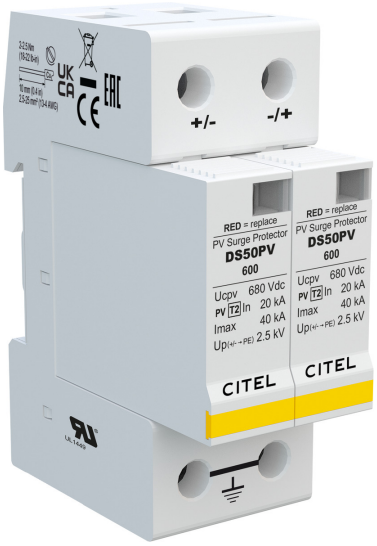
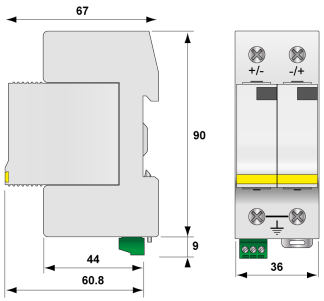
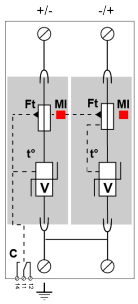
Type 2 PV surge protector

DS50PV-600



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





V: High-energy varistor
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics		
SPD type	IEC	2
Nominal PV voltage	Uocstc	600 Vdc
Max. PV operating voltage	Ucpv	680 Vdc
Residual Current *Leakage current to Ground*	Ipe	None
PV Permanent Operating current *Current consumption at Ucpv*	Icpv	< 1 mA
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	20 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	40 kA
Current withstand short circuit PV	Iscpv	15 000 A
Protection mode(s)		Common mode
Protection level +/- *@ In (8/20µs)*	Up	5.1 kV
Protection level +/PE (-/PE) *@ In (8/20µs)*	Up	2.5 kV
Mechanical Characteristics		
Connection to Network		By screw terminals: 4-25mm² / by bus
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-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		