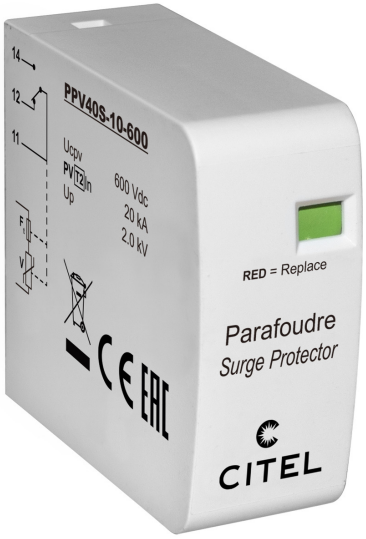
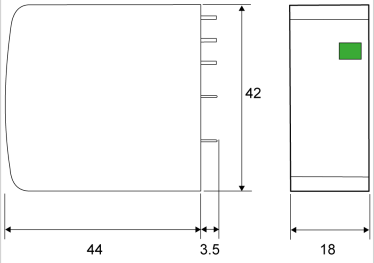
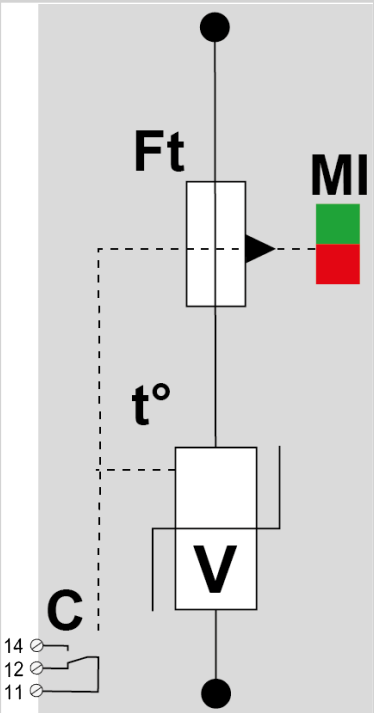
Type 2 PV Surge Protector for PCB mounting

PPV40S-10-600



- Type 2 surge protector for Photovoltaic
- PCB mounting
- Imax: 40 kA
- Remote signaling
- EN 50539-11 and IEC 61643-31 compliance*





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

Electrical Characteristics		
SPD type	IEC	2
Nominal PV voltage	Uocstc	600 Vdc
Max. PV operating voltage	Ucpv	600 Vdc
Max. PV operating voltage (star mounting)	Ucpv	1200 Vdc
Residual Current *Leakage current to Ground*	Ipe	None
PV Permanent Operating current *Current consumption at Ucpv*	Icpv	< 0.1 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
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level *@ In (8/20µs)*	Up	2 kV
Protection level (star mounting) *(+/-) / (+/PE or -/PE) @ In (8/20µs)*	Up	4 kV
Protection level +/- *@ In (8/20µs)*	Up	5.1 kV
Protection level +/PE (-/PE) *@ In (8/20µs)*	Up	2.5 kV
Mechanical Characteristics		
Technology		MOV
Connection to Network		Through soldering pins
Format		Plug-in modular box
Mounting		On Printed Circuit Board
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection SPD of the PV line
Disconnection indicator		1 mechanical indicator
Spare module(s)		DSM50PV-600
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Back-up protection device		Without
Standards		
Standards compliance		IEC 61643-31 / EN 50539-11 *The standard cover devices. PPV /PAC series are components. Compliant when combined is an assembly.
Part number		
8722203		