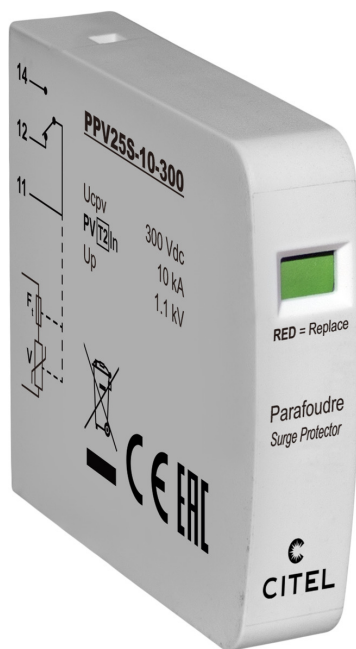




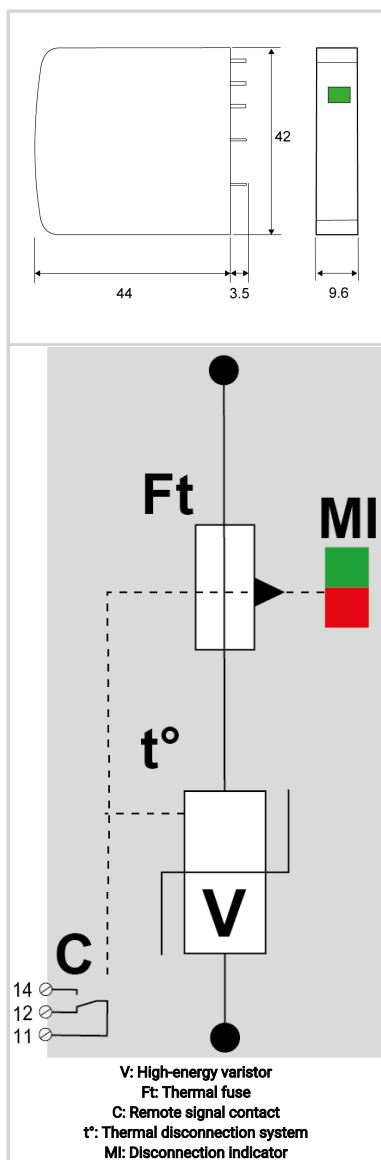
CITEL



Type 2 PV Surge Protector for PCB mounting

PPV25S-10-300

- Type 2 surge protector for Photovoltaic
- PCB mounting
- I_{max}: 25 kA
- Remote signaling
- EN 50539-11 and IEC 61643-31 compliance*



Electrical Characteristics

SPD type	IEC	2
Nominal PV voltage	U _{ocstc}	600 Vdc
Max. PV operating voltage	U _{cpv}	300 Vdc
Max. PV operating voltage (star mounting)	U _{cpv}	600 Vdc
Residual Current Leakage current to Ground	I _{pe}	None
PV Permanent Operating current Current consumption at U _{cpv}	I _{cpv}	< 0.1 mA
Follow current	I _f	None
Nominal discharge current 15 x 8/20 μ s impulses	I _n	10 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max}	25 kA
Current withstand short circuit PV	I _{scpv}	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level @ I _n (8/20 μ s)	U _p	1.1 kV
Protection level (star mounting) (+/-) / (+/PE or -/PE) @ I _n (8/20 μ s)	U _p	2.2 kV
Protection level +/- @ I _n (8/20 μ s)	U _p	5.1 kV
Protection level +/-PE (-/PE) @ I _n (8/20 μ s)	U _p	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	T _u -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

8721210

