



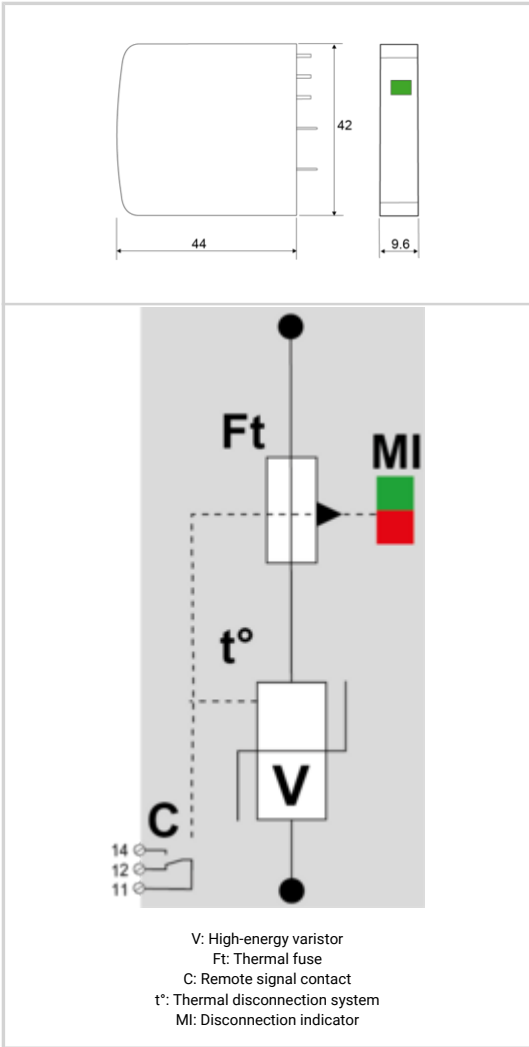
Type 2 PV Surge Protector for PCB mounting

CITEL

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		2
Nominal PV voltage	Uocstc	600 Vdc
Max. PV operating voltage	Ucpv	300 Vdc
Max. PV operating voltage (star mounting)	Ucpv	600 Vdc
Residual Current Leakage current to Ground	I _{pe}	None
PV Permanent Operating current Current consumption at Ucpv	I _{cpv}	< 0.1 mA
Follow current	I _f	None
Nominal discharge current 15 x 8/20 μs impulses	I _n	10 kA
Max. discharge current max. withstand @ 8/20 μs 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 (8/20μs)	U _p	1.1 kV
Protection level (star mounting) (+/-) / (+/PE or -/PE) @ I _n (8/20μs)	U _p	2.2 kV
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		
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
Weight		0.025 kg
Weight		0.051 kg
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		

