



Type 2 PV Surge Protector for PCB mounting

CITEL

PPV40GS-10-1200



- Type 2 surge protector for Photovoltaic
- PCB mounting
- N/PE module
- I_{max}: 40 and 25 kA
- Application up to 1500 Vdc PV powerline
- Remote signaling
- EN 50539-11 and IEC 61643-31 compliance*



Electrical Characteristics

SPD type		2
Max. PV operating voltage	U _{cpv}	1200 Vdc
PV Permanent Operating current <i>Current consumption at U_{cpv}</i>	I _{cpv}	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I _n	20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	40 kA
Current withstand short circuit PV	I _{scpv}	15 000 A
Protection level <i>@ I_n (8/20μs)</i>	U _p	2.8 kV

Mechanical Characteristics

Technology		Gas discharge tube
Connection to Network		Through soldering pins
Mounting		On Printed Circuit Board
Housing material		Thermoplastic UL94 V-0
Operating temperature	T _u	-40/+85°C
Protection rating		IP20
Disconnection indicator		1 mechanical indicator
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Weight		0.026 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.
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Part number

8722608

