



# Type 1+2 PV Surge Protector for PCB mounting

# CITEL

## PPV1-6VGS-600



- Type 1+2 surge protector for Photovoltaic
- PCB mounting
- $I_{imp} : 6.25 \text{ kA} (10/350 \mu\text{s})$
- Remote signaling
- EN 50539-11 and IEC 61643-31 compliance\*



### Electrical Characteristics

SPD type		1+2
Max. PV operating voltage	Ucpv	600 Vdc
Max. PV operating voltage (star mounting)	Ucpv	1200 Vdc
PV Permanent Operating current Current consumption at Ucpv	Icpv	< 0.1 mA
Nominal discharge current 15 x 8/20 $\mu\text{s}$ impulses	In	20 kA
Impulse current by pole max. withstand 10/350 $\mu\text{s}$ by pole	Iimp	6.25 kA
Current withstand short circuit PV	Iscpv	15 000 A
Protection level @ In (8/20 $\mu\text{s}$ )	Up	2 kV
Protection level (star mounting) (+/-) / (+/PE or -/PE) @ In (8/20 $\mu\text{s}$ )	Up	4 kV

### Mechanical Characteristics

Technology		VG Technology (MOV+GSG)
Connection to Network		Through soldering pins
Mounting		On Printed Circuit Board
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Disconnection indicator		Mechanical indicator
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Weight		0.084 kg

### Disconnectors

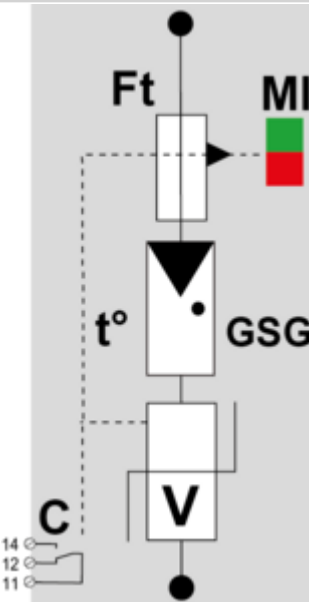
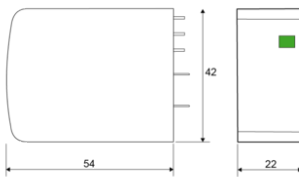
Thermal disconnector		Internal
Back-up protection device		Without

### 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

8723403



- V: High-energy varistor
- GSG: Specific gas tube
- Ft: Thermal fuse
- C: Remote signaling contact
- t°: Thermal disconnection system
- MI: Disconnection indicator

