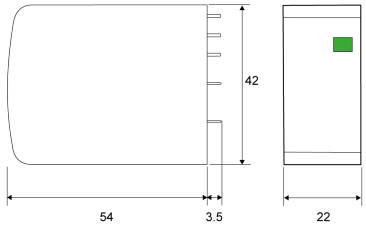
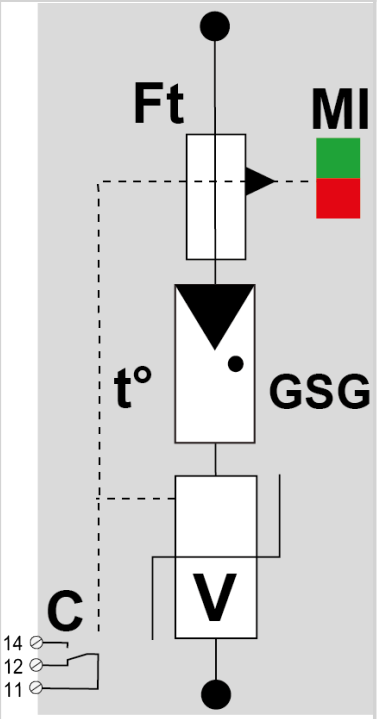
Type 1+2 PV Surge Protector for PCB mounting

PPV1-6VGS-600



- Type 1+2 surge protector for Photovoltaic
- PCB mounting
- Iimp : 6.25 kA (10/350 µs)
- Remote signaling
- EN 50539-11 and IEC 61643-31 compliance*





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

Electrical Characteristics		
SPD type	IEC	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 µs impulses*	In	20 kA
Impulse current by pole *max. withstand 10/350µs by pole*	Iimp	6.25 kA
Current withstand short circuit PV	Iscpv	15 000 A
Protection level *@ In (8/20µs)*	Up	2 kV
Protection level (star mounting) *(+/-) / (+/PE or -/PE) @ In (8/20µs)*	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
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		
8723403		