



Type 2 PV Surge Protector for PCB mounting

CITEL

PPV40S-10-500



- 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
	Max. PV operating voltage	U _{cpv} 500 Vdc
	Max. PV operating voltage (star mounting)	U _{cpv} 1000 Vdc
	PV Permanent Operating current Current consumption at U _{cpv}	I _{cpv} < 0.1 mA
	Nominal discharge current 15 x 8/20 μs impulses	I _n 20 kA
	Max. discharge current max. withstand @ 8/20 μs by pole	I _{max} 40 kA
	Current withstand short circuit PV	I _{scpv} 15 000 A
	Protection level @ I _n (8/20μs)	U _p 1.8 kV
	Protection level (star mounting) (+/-) / (+/PE or -/PE) @ I _n (8/20μs)	U _p 3.6 kV
	Mechanical Characteristics	
	Technology	MOV
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	0.051 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		
8722202		

V: High-energy varistor
 Ft: Thermal fuse
 C: Remote signal contact
 t°: Thermal disconnection system
 MI: Disconnection indicator

