



CITEL

Type 2 PV Surge Protector for PCB mounting

PPV25S-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																																								
<p>V: High-energy varistor Ft: Thermal fuse C: Remote signal contact t°: Thermal disconnection system MI: Disconnection indicator</p>	<table border="1"> <tr><td>SPD type</td><td></td><td>2</td></tr> <tr><td>Max. PV operating voltage</td><td>U_{cpv}</td><td>500 Vdc</td></tr> <tr><td>Max. PV operating voltage (star mounting)</td><td>U_{cpv}</td><td>1000 Vdc</td></tr> <tr><td>PV Permanent Operating current</td><td>I_{cpv}</td><td>< 0.1 mA</td></tr> <tr><td>Current consumption at U_{cpv}</td><td></td><td></td></tr> <tr><td>Nominal discharge current</td><td>I_n</td><td>10 kA</td></tr> <tr><td>Max. discharge current</td><td>I_{max}</td><td>25 kA</td></tr> <tr><td>max. withstand @ 8/20 μs by pole</td><td></td><td></td></tr> <tr><td>Current withstand short circuit PV</td><td>I_{scpv}</td><td>15 000 A</td></tr> <tr><td>Protection level</td><td>U_p</td><td>1.8 kV</td></tr> <tr><td>@ I_n (8/20μs)</td><td></td><td></td></tr> <tr><td>Protection level (star mounting)</td><td>U_p</td><td>3.6 kV</td></tr> <tr><td>(+/-) / (+/PE or -/PE) @ I_n (8/20μs)</td><td></td><td></td></tr> </table>		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	I _{cpv}	< 0.1 mA	Current consumption at U _{cpv}			Nominal discharge current	I _n	10 kA	Max. discharge current	I _{max}	25 kA	max. withstand @ 8/20 μs by pole			Current withstand short circuit PV	I _{scpv}	15 000 A	Protection level	U _p	1.8 kV	@ I _n (8/20μs)			Protection level (star mounting)	U _p	3.6 kV	(+/-) / (+/PE or -/PE) @ I _n (8/20μs)		
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