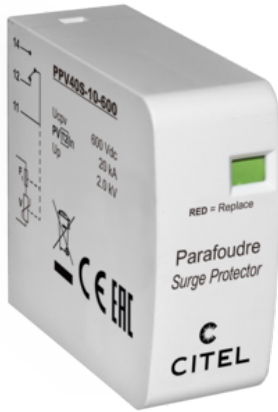




# Type 2 PV Surge Protector for PCB mounting

# CITEL

## PPV40S-10-600



- Type 2 surge protector for Photovoltaic
- PCB mounting
- Imax: 40 kA
- Remote signaling
- EN 50539-11 and IEC 61643-31 compliance\*



	<b>Electrical Characteristics</b>																																																													
<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>Nominal PV voltage</td><td>Uocstc</td><td>600 Vdc</td></tr> <tr><td>Max. PV operating voltage</td><td>Ucpv</td><td>600 Vdc</td></tr> <tr><td>Max. PV operating voltage (star mounting)</td><td>Ucpv</td><td>1200 Vdc</td></tr> <tr><td>Residual Current</td><td>Ipe</td><td>None</td></tr> <tr><td>Leakage current to Ground</td><td>Ipe</td><td>None</td></tr> <tr><td>PV Permanent Operating current</td><td>Icpv</td><td>&lt; 0.1 mA</td></tr> <tr><td>Current consumption at Ucpv</td><td>Icpv</td><td>&lt; 0.1 mA</td></tr> <tr><td>Follow current</td><td>If</td><td>None</td></tr> <tr><td>Nominal discharge current</td><td>In</td><td>20 kA</td></tr> <tr><td>15 x 8/20 μs impulses</td><td>In</td><td>20 kA</td></tr> <tr><td>Max. discharge current</td><td>Imax</td><td>40 kA</td></tr> <tr><td>max. withstand @ 8/20 μs by pole</td><td>Imax</td><td>40 kA</td></tr> <tr><td>Current withstand short circuit PV</td><td>Iscpv</td><td>15 000 A</td></tr> <tr><td>Connection mode(s)</td><td></td><td>+/-PE</td></tr> <tr><td>Protection mode(s)</td><td></td><td>Common/Differential mode</td></tr> <tr><td>Protection level @ In (8/20μs)</td><td>Up</td><td>2 kV</td></tr> <tr><td>Protection level (star mounting) (+/-) / (+/PE or -/PE) @ In (8/20μs)</td><td>Up</td><td>4 kV</td></tr> <tr><td>Protection level +/- @ In (8/20μs)</td><td>Up</td><td>5.1 kV</td></tr> <tr><td>Protection level +/PE (-/PE) @ In (8/20μs)</td><td>Up</td><td>2.5 kV</td></tr> </table>		SPD type		2	Nominal PV voltage	Uocstc	600 Vdc	Max. PV operating voltage	Ucpv	600 Vdc	Max. PV operating voltage (star mounting)	Ucpv	1200 Vdc	Residual Current	Ipe	None	Leakage current to Ground	Ipe	None	PV Permanent Operating current	Icpv	< 0.1 mA	Current consumption at Ucpv	Icpv	< 0.1 mA	Follow current	If	None	Nominal discharge current	In	20 kA	15 x 8/20 μs impulses	In	20 kA	Max. discharge current	Imax	40 kA	max. withstand @ 8/20 μs by pole	Imax	40 kA	Current withstand short circuit PV	Iscpv	15 000 A	Connection mode(s)		+/-PE	Protection mode(s)		Common/Differential mode	Protection level @ In (8/20μs)	Up	2 kV	Protection level (star mounting) (+/-) / (+/PE or -/PE) @ In (8/20μs)	Up	4 kV	Protection level +/- @ In (8/20μs)	Up	5.1 kV	Protection level +/PE (-/PE) @ In (8/20μs)	Up	2.5 kV
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