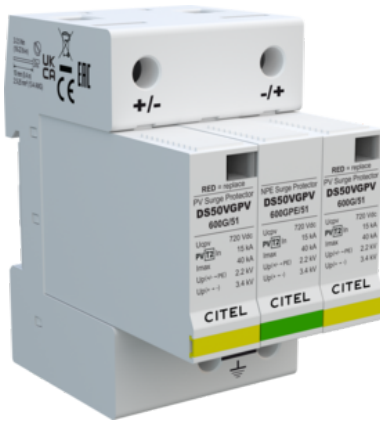




Type 2 PV surge protector

CITEL

DS50VGPV-600G/51



- Type 2 surge protector for photovoltaic
- VG technology
- 600 Vdc
- No leakage, no operating currents
- Improved life expectancy
- In/Imax : 15 / 40 kA
- Common/Differential mode protection
- Remote signaling
- IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance



	Electrical Characteristics																																														
<p>V: High-energy varistor GSG: Specific Gas Tube Ft: Thermal fuse t*: Thermal disconnection system MI: Disconnection indicator</p>	<table border="1"> <tr> <td>SPD type</td> <td>IEC</td> <td>2</td> </tr> <tr> <td>Network</td> <td></td> <td>PV 600 Vdc</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>720 Vdc</td> </tr> <tr> <td>Residual Current Leakage current to Ground</td> <td>Ipe</td> <td>None</td> </tr> <tr> <td>PV Permanent Operating current Current consumption at Ucpv</td> <td>Icpv</td> <td>None</td> </tr> <tr> <td>Follow current</td> <td>If</td> <td>None</td> </tr> <tr> <td>Nominal discharge current 15 x 8/20 μs impulses</td> <td>In</td> <td>15 kA</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 μs by pole</td> <td>Imax</td> <td>40 kA</td> </tr> <tr> <td>Total Maximum discharge current max. total withstand @ 8/20 μs</td> <td>Imax Total</td> <td>60 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>3.4 kV</td> </tr> <tr> <td>Protection level +/-PE (-/PE) @ In (8/20μs)</td> <td>Up</td> <td>2.2 kV</td> </tr> </table>		SPD type	IEC	2	Network		PV 600 Vdc	Nominal PV voltage	Uocstc	600 Vdc	Max. PV operating voltage	Ucpv	720 Vdc	Residual Current Leakage current to Ground	Ipe	None	PV Permanent Operating current Current consumption at Ucpv	Icpv	None	Follow current	If	None	Nominal discharge current 15 x 8/20 μs impulses	In	15 kA	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	40 kA	Total Maximum discharge current max. total withstand @ 8/20 μs	Imax Total	60 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	3.4 kV	Protection level +/-PE (-/PE) @ In (8/20μs)	Up	2.2 kV
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