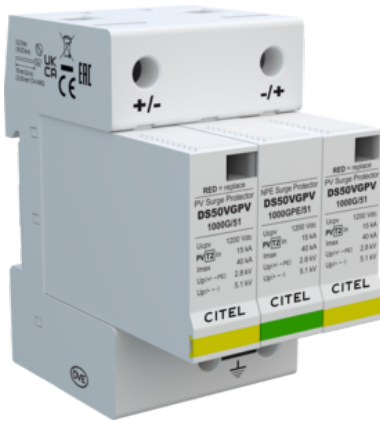




Type 2 PV surge protector

CITEL

DS50VGPV-1000G/51



- ↳ Type 2 surge protector for photovoltaic
- ↳ VG technology
- ↳ 1000 Vdc
- ↳ No leakage, no operating currents
- ↳ Improved life expectancy
- ↳ In/Imax : 15 / 40 kA
- ↳ Common/Differential mode protection
- ↳ Remote signaling (option)
- ↳ UTE C61-740-51, EN 61643-11 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"> <tbody> <tr><td>SPD type</td><td>IEC</td><td>2</td></tr> <tr><td>Network</td><td></td><td>PV network 1000 Vdc</td></tr> <tr><td>Nominal PV voltage</td><td>Uocstc</td><td>1000 Vdc</td></tr> <tr><td>Max. PV operating voltage</td><td>Uc_{pv}</td><td>1200 Vdc</td></tr> <tr><td>Residual Current Leakage current to Ground</td><td>I_{pe}</td><td>None</td></tr> <tr><td>PV Permanent Operating current Current consumption at U_{cpv}</td><td>I_{cpv}</td><td>None</td></tr> <tr><td>Follow current</td><td>I_f</td><td>None</td></tr> <tr><td>Nominal discharge current 15 x 8/20 μs impulses</td><td>I_n</td><td>15 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs by pole</td><td>I_{max}</td><td>40 kA</td></tr> <tr><td>Total Maximum discharge current max. total withstand @ 8/20 μs</td><td>I_{max} Total</td><td>60 kA</td></tr> <tr><td>Current withstand short circuit PV</td><td>I_{scpv}</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 +/- @ I_n (8/20μs)</td><td>U_p</td><td>5.1 kV</td></tr> <tr><td>Protection level +/PE (-/PE) @ I_n (8/20μs)</td><td>U_p</td><td>2.8 kV</td></tr> </tbody> </table>		SPD type	IEC	2	Network		PV network 1000 Vdc	Nominal PV voltage	Uocstc	1000 Vdc	Max. PV operating voltage	Uc _{pv}	1200 Vdc	Residual Current Leakage current to Ground	I _{pe}	None	PV Permanent Operating current Current consumption at U _{cpv}	I _{cpv}	None	Follow current	I _f	None	Nominal discharge current 15 x 8/20 μs impulses	I _n	15 kA	Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	40 kA	Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	60 kA	Current withstand short circuit PV	I _{scpv}	15 000 A	Connection mode(s)		+/-/PE	Protection mode(s)		Common/Differential mode	Protection level +/- @ I _n (8/20μs)	U _p	5.1 kV	Protection level +/PE (-/PE) @ I _n (8/20μs)	U _p	2.8 kV
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