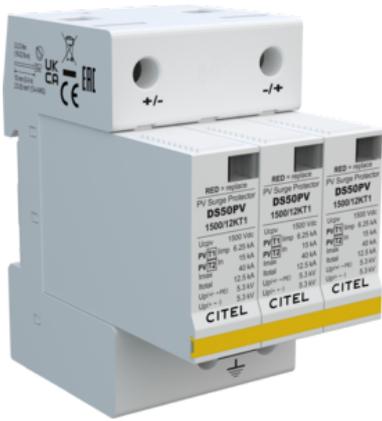
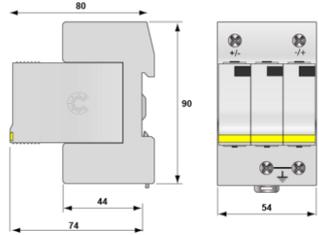
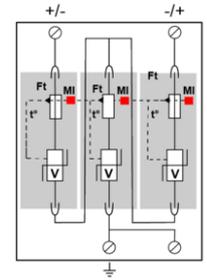


## DS50PV-1500/12KT1



- Type 1+2 surge protector for Photovoltaic
- Impulse currents  $I_{limp}/I_{total}$  : 6.25/12.5 kA (10/350 $\mu$ s)
- Common/Differential mode protection
- Remote signaling (option)
- UL1449 ed.5 compliance
- IEC 61643-31, EN 61643-31, EN 50539-11 certified



	<b>Electrical Characteristics</b>																																																				
 <p>V: Varistor Ft: Thermal fuse MI: Mechanical status indicator t*: Thermal system disconnection</p>	<table border="1"> <tr> <td>SPD type</td> <td></td> <td>1+2</td> </tr> <tr> <td>Network</td> <td></td> <td>PV network 1250 Vdc</td> </tr> <tr> <td>Nominal PV voltage</td> <td>Uocstc</td> <td>1250 Vdc</td> </tr> <tr> <td>Max. PV operating voltage</td> <td>Ucpv</td> <td>1500 Vdc</td> </tr> <tr> <td>Residual Current Leakage current to Ground</td> <td>Ipe</td> <td>&lt; 0.3 mA</td> </tr> <tr> <td>PV Permanent Operating current 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 15 x 8/20 <math>\mu</math>s impulses</td> <td>In</td> <td>15 kA</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 <math>\mu</math>s by pole</td> <td>I<sub>max</sub></td> <td>40 kA</td> </tr> <tr> <td>Total Maximum discharge current max. total withstand @ 8/20 <math>\mu</math>s</td> <td>I<sub>max</sub> Total</td> <td>60 kA</td> </tr> <tr> <td>Impulse current by pole max. withstand 10/350<math>\mu</math>s by pole</td> <td>I<sub>limp</sub></td> <td>6.25 kA</td> </tr> <tr> <td>Total lightning current max. total withstand @ 10/350<math>\mu</math>s</td> <td>I<sub>total</sub></td> <td>12.5 kA</td> </tr> <tr> <td>Current withstand short circuit PV</td> <td>I<sub>scpv</sub></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 (8/20<math>\mu</math>s)</td> <td>Up</td> <td>5.3 kV</td> </tr> <tr> <td>Protection level +/-PE (-/PE) @ In (8/20<math>\mu</math>s)</td> <td>Up</td> <td>5.3 kV</td> </tr> </table>		SPD type		1+2	Network		PV network 1250 Vdc	Nominal PV voltage	Uocstc	1250 Vdc	Max. PV operating voltage	Ucpv	1500 Vdc	Residual Current Leakage current to Ground	Ipe	< 0.3 mA	PV Permanent Operating current Current consumption at Ucpv	Icpv	< 0.1 mA	Follow current	If	None	Nominal discharge current 15 x 8/20 $\mu$ s impulses	In	15 kA	Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	I <sub>max</sub>	40 kA	Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s	I <sub>max</sub> Total	60 kA	Impulse current by pole max. withstand 10/350 $\mu$ s by pole	I <sub>limp</sub>	6.25 kA	Total lightning current max. total withstand @ 10/350 $\mu$ s	I <sub>total</sub>	12.5 kA	Current withstand short circuit PV	I <sub>scpv</sub>	15 000 A	Connection mode(s)		+/-/PE	Protection mode(s)		Common/Differential mode	Protection level +/- @ In (8/20 $\mu$ s)	Up	5.3 kV	Protection level +/-PE (-/PE) @ In (8/20 $\mu$ s)	Up	5.3 kV
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