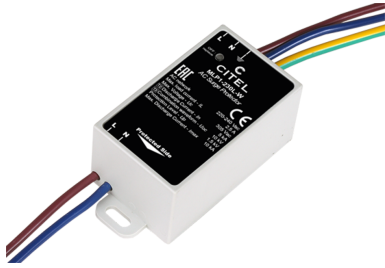


MLP1-230L-W



Specially developed spd with combined protection for 2-phase power supply (control phase):

- ✦ Many variants available depending on application
- ✦ With screw terminals or cable wiring
- ✦ IP65 versions
- ✦ For protection class I or II application
- ✦ Developed for Uoc: 10 kV and I_{max}: 10 kA for highest outdoor requirements according to IEEE & ANSI
- ✦ Optical error signalling



	Electrical Characteristics																																																														
<p>V : Varistor Ft: Thermal fuse GSG: Specificque gas tube LED: Status indicator t*: Thermal system disconnection</p>	<table border="1"> <tr> <td>SPD type</td> <td>IEC</td> <td>2+3</td> </tr> <tr> <td>Network</td> <td></td> <td>220-240 V Single-phase</td> </tr> <tr> <td>AC system</td> <td></td> <td>TT-TN</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>230-277 Vac</td> </tr> <tr> <td>Max. AC operating voltage</td> <td>Uc</td> <td>305 Vac</td> </tr> <tr> <td>Max. frequency</td> <td>f max.</td> <td>10 MHz</td> </tr> <tr> <td>Max. load current @25°C</td> <td>IL</td> <td>2.5 A</td> </tr> <tr> <td>Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection</td> <td>UT</td> <td>335 Vac withstand</td> </tr> <tr> <td>Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection</td> <td>UT</td> <td>440 Vac disconnection</td> </tr> <tr> <td>Residual Current Leakage current to Ground</td> <td>Ipe</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>5 kA</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 µs by pole</td> <td>I_{max}</td> <td>10 kA</td> </tr> <tr> <td>Total Maximum discharge current max. total withstand @ 8/20 µs</td> <td>I_{max} Total</td> <td>20 kA</td> </tr> <tr> <td>Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs</td> <td>Uoc</td> <td>10 kV / 5 kA</td> </tr> <tr> <td>Withstand on overvoltages IEEE C62.41.1</td> <td></td> <td>10 kV / 10 kA</td> </tr> <tr> <td>Protection mode(s)</td> <td></td> <td>Common/Differential mode</td> </tr> <tr> <td>Protection level L/N @ In (8/20µs)</td> <td>Up L/N</td> <td>1.5 kV</td> </tr> <tr> <td>Protection level L/PE @ In (8/20µs)</td> <td>Up L/PE</td> <td>1.5 kV</td> </tr> <tr> <td>Admissible short-circuit current</td> <td>I_{sc}</td> <td>10 000 A</td> </tr> </table>			SPD type	IEC	2+3	Network		220-240 V Single-phase	AC system		TT-TN	Nominal line voltage	Un	230-277 Vac	Max. AC operating voltage	Uc	305 Vac	Max. frequency	f max.	10 MHz	Max. load current @25°C	IL	2.5 A	Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand	Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	440 Vac disconnection	Residual Current Leakage current to Ground	Ipe	None	Follow current	If	None	Nominal discharge current 15 x 8/20 µs impulses	In	5 kA	Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	10 kA	Total Maximum discharge current max. total withstand @ 8/20 µs	I _{max} Total	20 kA	Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	10 kV / 5 kA	Withstand on overvoltages IEEE C62.41.1		10 kV / 10 kA	Protection mode(s)		Common/Differential mode	Protection level L/N @ In (8/20µs)	Up L/N	1.5 kV	Protection level L/PE @ In (8/20µs)	Up L/PE	1.5 kV	Admissible short-circuit current	I _{sc}	10 000 A
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