



Surge protector for LED lighting system Class 1

CITEL

MLPC-VG1-230L-R



- Type 2 (or 3) surge protectors for LED
- Class 1
- Very compact
- Plate mounting
- Spring terminal connection
- Status indicator
- Disconnection AC end of life
- EN 61643-11 compliance



	Electrical Characteristics																																				
<p>V: Varistor GSG: Specific gas tube LED: Disconnection indicator Ft: Thermal fuse t*: Thermal system disconnection</p>	<table border="1"> <tr><td>SPD type</td><td>2+3</td></tr> <tr><td>Network</td><td>220-240 V Single-phase</td></tr> <tr><td>AC system</td><td>TT-TN</td></tr> <tr><td>Max. AC operating voltage</td><td>Uc 320 Vac</td></tr> <tr><td>Max. load current @25°C</td><td>IL 10 A</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection</td><td>UT 335 Vac withstand</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection</td><td>UT 440 Vac withstand</td></tr> <tr><td>Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection</td><td>UT 1200 V/300A/200 ms disconnection</td></tr> <tr><td>Residual Current Leakage current to Ground</td><td>Ipe None</td></tr> <tr><td>Nominal discharge current 15 x 8/20 μs impulses</td><td>In 5 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs by pole</td><td>Imax 10 kA</td></tr> <tr><td>Total Maximum discharge current max. total withstand @ 8/20 μs</td><td>Imax Total 20 kA</td></tr> <tr><td>Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs</td><td>Uoc 10 kV</td></tr> <tr><td>Withstand on overvoltages IEEE C62.41.1</td><td>10 kV</td></tr> <tr><td>Protection mode(s)</td><td>Common/Differential mode</td></tr> <tr><td>Protection level L/N @ In (8/20μs)</td><td>Up L/N 1.5 kV</td></tr> <tr><td>Protection level L/PE @ In (8/20μs)</td><td>Up L/PE 1.5 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>Iscsr 10 000 A</td></tr> </table>	SPD type	2+3	Network	220-240 V Single-phase	AC system	TT-TN	Max. AC operating voltage	Uc 320 Vac	Max. load current @25°C	IL 10 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 withstand	Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT 1200 V/300A/200 ms disconnection	Residual Current Leakage current to Ground	Ipe None	Nominal discharge current 15 x 8/20 μs impulses	In 5 kA	Max. discharge current max. withstand @ 8/20 μs by pole	Imax 10 kA	Total Maximum discharge current max. total withstand @ 8/20 μs	Imax Total 20 kA	Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc 10 kV	Withstand on overvoltages IEEE C62.41.1	10 kV	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	Iscsr 10 000 A
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