



CITEL

AC surge protector for LED Lighting system Class 1

MLPC1-230L-V/2L



- ▶ Type 2 (or 3) surge protector for Class I LED Lighting
- ▶ AC surge protection for 2-Phase + Neutral network
- ▶ Compact dimensions
- ▶ Screw connection
- ▶ Max. discharge current 10 kA
- ▶ Certified IEC 61643-11



	<table border="1"> <thead> <tr> <th colspan="2">Electrical Characteristics</th> </tr> </thead> <tbody> <tr> <td>SPD type</td> <td>2 (or 3)</td> </tr> <tr> <td>Network</td> <td>2-phase + N 230 V</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 5 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 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>I_{max} 10 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 / 5 kA</td> </tr> <tr> <td>Protection mode(s)</td> <td>L1/N, L2/N and N/PE</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 N/PE @ In (8/20μs)</td> <td>Up N/PE 1.5 kV</td> </tr> <tr> <td>Admissible short-circuit current</td> <td>I_{sc} 10 000 A</td> </tr> <tr> <th colspan="2">Mechanical Characteristics</th> </tr> <tr> <td>Connection to Network</td> <td>By screw terminal: 1.5mm² max.</td> </tr> <tr> <td>Mounting</td> <td>On plate</td> </tr> <tr> <td>Housing material</td> <td>Thermoplastic UL94 V-0</td> </tr> <tr> <td>Operating temperature</td> <td>Tu -40/+85°C</td> </tr> <tr> <td>Protection rating</td> <td>IP20</td> </tr> <tr> <td>Failsafe mode</td> <td>Disconnection, Green Led OFF and power cut off</td> </tr> <tr> <td>Disconnection indicator</td> <td>LED green OFF and AC network cut-off</td> </tr> <tr> <td>Voltage/operating indicator</td> <td>Green Led ON</td> </tr> <tr> <td>Dimensions</td> <td>See diagram</td> </tr> <tr> <td>Weight</td> <td>0.057 kg</td> </tr> <tr> <th colspan="2">Disconnectors</th> </tr> <tr> <td>Thermal disconnector</td> <td>Internal</td> </tr> <tr> <th colspan="2">Standards</th> </tr> <tr> <td>Standards compliance</td> <td>IEC 61643-11 / EN 61643-11</td> </tr> <tr> <td>Certification</td> <td>KEMA</td> </tr> <tr> <td>Part number</td> <td>831225</td> </tr> </tbody> </table>	Electrical Characteristics		SPD type	2 (or 3)	Network	2-phase + N 230 V	AC system	TT-TN	Max. AC operating voltage	Uc 320 Vac	Max. load current @25°C	IL 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	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	Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc 10 kV / 5 kA	Protection mode(s)	L1/N, L2/N and N/PE	Protection level L/N @ In (8/20μs)	Up L/N 1.5 kV	Protection level N/PE @ In (8/20μs)	Up N/PE 1.5 kV	Admissible short-circuit current	I _{sc} 10 000 A	Mechanical Characteristics		Connection to Network	By screw terminal: 1.5mm ² max.	Mounting	On plate	Housing material	Thermoplastic UL94 V-0	Operating temperature	Tu -40/+85°C	Protection rating	IP20	Failsafe mode	Disconnection, Green Led OFF and power cut off	Disconnection indicator	LED green OFF and AC network cut-off	Voltage/operating indicator	Green Led ON	Dimensions	See diagram	Weight	0.057 kg	Disconnectors		Thermal disconnector	Internal	Standards		Standards compliance	IEC 61643-11 / EN 61643-11	Certification	KEMA	Part number	831225
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<p> G: Gas tube 2-pole G3: Gas tube 3-pole D: Clamping diode network V: Varistor LED: Status indicator Ft: Thermal fuse </p>																																																																			

