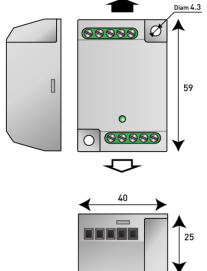
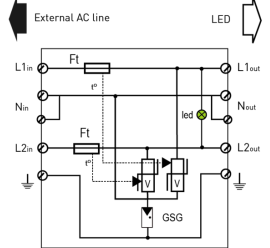


MLPC1-230L-V/2L



- ✦ 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



	<b>Electrical Characteristics</b>																																															
 <p>G: Gas tube 2-pole G3: Gas tube 3-pole D: Clamping diode network V: Varistor LED: Status indicator Ft: Thermal fuse</p>	<table border="1"> <tr> <td>SPD type</td> <td>IEC</td> <td>2 (or 3)</td> </tr> <tr> <td>Network</td> <td></td> <td>2-phase + N 230 V</td> </tr> <tr> <td>AC system</td> <td></td> <td>TT-TN</td> </tr> <tr> <td>Max. AC operating voltage</td> <td>Uc</td> <td>320 Vac</td> </tr> <tr> <td>Max. load current @25°C</td> <td>IL</td> <td>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>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<sub>max</sub></td> <td>10 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>Protection mode(s)</td> <td></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</td> <td>1.5 kV</td> </tr> <tr> <td>Protection level N/PE @ In (8/20µs)</td> <td>Up N/PE</td> <td>1.5 kV</td> </tr> <tr> <td>Admissible short-circuit current</td> <td>I<sub>scrc</sub></td> <td>10 000 A</td> </tr> </table>			SPD type	IEC	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 <sub>max</sub>	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 <sub>scrc</sub>	10 000 A
SPD type	IEC	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 <sub>max</sub>	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 <sub>scrc</sub>	10 000 A																																														
<b>Mechanical Characteristics</b>																																																
Connection to Network		By screw terminal: 1.5mm <sup>2</sup> 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																																														
<b>Disconnectors</b>																																																
Thermal disconnector		Internal																																														
<b>Standards</b>																																																
Standards compliance		IEC 61643-11 / EN 61643-11																																														
Certification		KEMA																																														
Part number		831225																																														