



# CITEL

## Ultra Compact Type 2+3 hard wired surge protector for class II

### MLPX2-230L-W



- Ultra compact Type 2+3 hard wired surge protectors
- Wall mounting and hard wired connection
- Bracket breakable
- Protection rating : IP67
- Disconnection signaling by indicator
- AC disconnection in case of end of life
- EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



	<table border="1"> <thead> <tr> <th colspan="2">Electrical Characteristics</th> </tr> </thead> <tbody> <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>Nominal line voltage</td> <td>Un 230 V</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 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 / 10 kA</td> </tr> <tr> <td>Protection mode(s)</td> <td>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>Admissible short-circuit current</td> <td>Iscrcr 10 000 A</td> </tr> <tr> <th colspan="2">Mechanical Characteristics</th> </tr> <tr> <td>Technology</td> <td>MOV+GDT</td> </tr> <tr> <td>Connection to Network</td> <td>By wires: 1.5mm<sup>2</sup> (L/N) and 2.5mm<sup>2</sup> (PE)</td> </tr> <tr> <td>Mounting</td> <td>Wall or 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>IP67</td> </tr> <tr> <td>Failsafe mode</td> <td>Disconnection and AC line 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>0.045 kg</td> </tr> <tr> <th colspan="2">Disconnectors</th> </tr> <tr> <td>Thermal disconnector</td> <td>Internal</td> </tr> <tr> <td>Installation ground fault breaker</td> <td>Type 'S' or delayed</td> </tr> <tr> <th colspan="2">Standards</th> </tr> <tr> <td>Standards compliance</td> <td>IEC 61643-11 / EN 61643-11 / UL1449 ed.5</td> </tr> <tr> <td>Certification</td> <td>CB</td> </tr> <tr> <th colspan="2">Part number</th> </tr> <tr> <td colspan="2">711217</td> </tr> </tbody> </table>	Electrical Characteristics		SPD type	2+3	Network	220-240 V Single-phase	AC system	TT-TN	Nominal line voltage	Un 230 V	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 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 / 10 kA	Protection mode(s)	Differential Mode	Protection level L/N @ In (8/20μs)	Up L/N 1.5 kV	Admissible short-circuit current	Iscrcr 10 000 A	Mechanical Characteristics		Technology	MOV+GDT	Connection to Network	By wires: 1.5mm <sup>2</sup> (L/N) and 2.5mm <sup>2</sup> (PE)	Mounting	Wall or plate	Housing material	Thermoplastic UL94 V-0	Operating temperature	Tu -40/+85°C	Protection rating	IP67	Failsafe mode	Disconnection and AC line cut-off	Disconnection indicator	LED green OFF and AC network cut-off	Voltage/operating indicator	Green Led ON	Dimensions	See diagram	Weight	0.045 kg	Disconnectors		Thermal disconnector	Internal	Installation ground fault breaker	Type 'S' or delayed	Standards		Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5	Certification	CB	Part number		711217	
Electrical Characteristics																																																																													
SPD type	2+3																																																																												
Network	220-240 V Single-phase																																																																												
AC system	TT-TN																																																																												
Nominal line voltage	Un 230 V																																																																												
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 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 / 10 kA																																																																												
Protection mode(s)	Differential Mode																																																																												
Protection level L/N @ In (8/20μs)	Up L/N 1.5 kV																																																																												
Admissible short-circuit current	Iscrcr 10 000 A																																																																												
Mechanical Characteristics																																																																													
Technology	MOV+GDT																																																																												
Connection to Network	By wires: 1.5mm <sup>2</sup> (L/N) and 2.5mm <sup>2</sup> (PE)																																																																												
Mounting	Wall or plate																																																																												
Housing material	Thermoplastic UL94 V-0																																																																												
Operating temperature	Tu -40/+85°C																																																																												
Protection rating	IP67																																																																												
Failsafe mode	Disconnection and AC line cut-off																																																																												
Disconnection indicator	LED green OFF and AC network cut-off																																																																												
Voltage/operating indicator	Green Led ON																																																																												
Dimensions	See diagram																																																																												
Weight	0.045 kg																																																																												
Disconnectors																																																																													
Thermal disconnector	Internal																																																																												
Installation ground fault breaker	Type 'S' or delayed																																																																												
Standards																																																																													
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5																																																																												
Certification	CB																																																																												
Part number																																																																													
711217																																																																													
<p>V: Varistor Ft: Thermal fuse LED: Disconnection indicator t*: Thermal disconnection system</p>																																																																													

