



CITEL

Ultra Compact Type 2+3 hard wired surge protector

MLPX2VG-230L-W



- ↳ Ultra compact Type 2+3 hard wired surge protectors
- ↳ Class 2
- ↳ Wall mounting and hard wired connection
- ↳ VG Technology
- ↳ No aging
- ↳ 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 4ed. compliance



	<table border="1"> <thead> <tr> <th colspan="3">Electrical Characteristics</th> </tr> </thead> <tbody> <tr> <td>SPD type</td> <td></td> <td>2+3</td> </tr> <tr> <td>Network</td> <td></td> <td>230-277 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 V</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>10 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 withstand</td> </tr> <tr> <td>Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection</td> <td>UT</td> <td>1200 V/300A/200 ms 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>Imax</td> <td>10 kA</td> </tr> <tr> <td>Total Maximum discharge current max. total withstand @ 8/20 μs</td> <td>Imax 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</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>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>Admissible short-circuit current</td> <td>Iscrc</td> <td>10 000 A</td> </tr> <tr> <th colspan="3">Mechanical Characteristics</th> </tr> <tr> <td>Technology</td> <td></td> <td>MOV+GDT</td> </tr> <tr> <td>Connection to Network</td> <td></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></td> <td>Wall or plate</td> </tr> <tr> <td>Housing material</td> <td></td> <td>Thermoplastic UL94 V-0</td> </tr> <tr> <td>Operating temperature</td> <td>Tu</td> <td>-40/+85°C</td> </tr> <tr> <td>Protection rating</td> <td></td> <td>IP67</td> </tr> <tr> <td>Failsafe mode</td> <td></td> <td>Disconnection and AC line cut-off</td> </tr> <tr> <td>Disconnection indicator</td> <td></td> <td>LED green OFF and AC network cut-off</td> </tr> <tr> <td>Voltage/operating indicator</td> <td></td> <td>Green Led ON</td> </tr> <tr> <td>Dimensions</td> <td></td> <td>See diagram</td> </tr> <tr> <th colspan="3">Disconnectors</th> </tr> <tr> <td>Thermal disconnector</td> <td></td> <td>Internal</td> </tr> <tr> <td>Installation ground fault breaker</td> <td></td> <td>Type 'S' or delayed</td> </tr> <tr> <th colspan="3">Standards</th> </tr> <tr> <td>Standards compliance</td> <td></td> <td>IEC 61643-11 / EN 61643-11 / UL1449 ed.5</td> </tr> <tr> <td>Certification</td> <td></td> <td></td> </tr> <tr> <th colspan="3">Part number</th> </tr> <tr> <td></td> <td></td> <td>711292</td> </tr> </tbody> </table>	Electrical Characteristics			SPD type		2+3	Network		230-277 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 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 / 10 kA	Protection mode(s)		Differential Mode	Protection level L/N @ In (8/20μs)	Up L/N	1.5 kV	Admissible short-circuit current	Iscrc	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	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			Part number					711292
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