



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: 1.5mm² (L/N) and 2.5mm² (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> <td>Part number</td> <td>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 ² (L/N) and 2.5mm ² (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 ² (L/N) and 2.5mm ² (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> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

