



Compact Type 2 hard wired surge protector

CITEL

MLPCA1-230L-2L



- Type 2 (or 3) 2 phase + N surge protector
- Compact
- Wall mounting
- Status indicators
- IP65
- AC disconnection in case of end of life



	Electrical Characteristics																																																										
<p>V: Varistor GSG: Specific gas tube LED: Disconnection indicator Ft: Thermal fuse t*: Thermal system disconnection</p>	<table border="1"> <tr><td>SPD type</td><td></td><td>2+3</td></tr> <tr><td>Network</td><td></td><td>220-240V 2-phase + N</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 disconnection</td></tr> <tr><td>Follow current</td><td>If</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>30 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>Common/Differential mode</td></tr> <tr><td>Protection level @ In (8/20μs)</td><td>Up</td><td>1.5 kV</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 L/PE @ In (8/20μs)</td><td>Up L/PE</td><td>1.5 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>Iscrc</td><td>10 000 A</td></tr> </table>		SPD type		2+3	Network		220-240V 2-phase + N	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	Follow current	If	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	30 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)		Common/Differential mode	Protection level @ In (8/20μs)	Up	1.5 kV	Protection level L/N @ In (8/20μs)	Up L/N	1.5 kV	Protection level L/PE @ In (8/20μs)	Up L/PE	1.5 kV	Admissible short-circuit current	Iscrc	10 000 A
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Admissible short-circuit current	Iscrc	10 000 A																																																									
	Mechanical Characteristics																																																										
	Technology	MOV+GDT																																																									
	Connection to Network	Cable with 5-wire of 1.5mm ²																																																									
	Mounting	Wall or plate																																																									
	Housing material	Thermoplastic UL94 V-0																																																									
	Operating temperature	Tu -40/+85°C																																																									
	Protection rating	IP65																																																									
	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	0.152 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																																																									
	Part number	835265																																																									

