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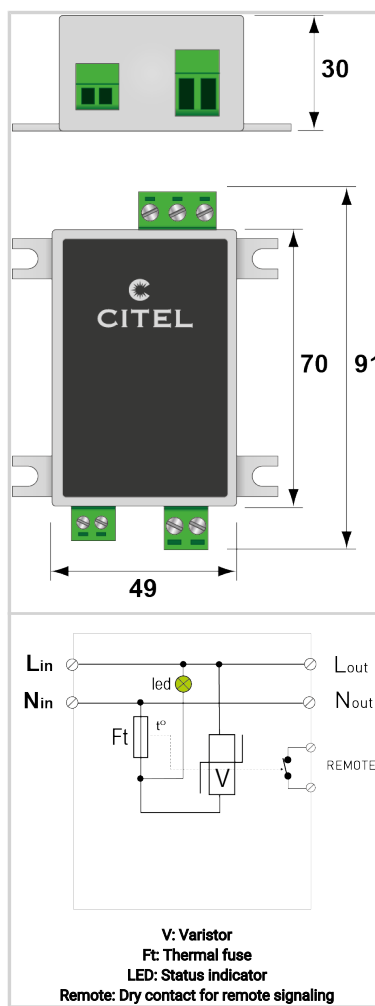
Surge protectors for LED lighting system Class 2

MLP2-230S-P



Specially developed spd with combined protection for 2-phase power supply (control phase):

- Many variants available depending on application
- With screw terminals or cable wiring
- IP65 versions
- For protection class I or II application
- Developed for Uoc: 10 kV and I_{max}: 10 kA for highest outdoor requirements according to IEEE & ANSI
- Optical error signalling



Electrical Characteristics		
SPD type	IEC	2+3
Network		220-240 V Single-phase
AC system		TT-TN
Nominal line voltage	Un	220-240 Vac
Max. AC operating voltage	Uc	305 Vac
Max. frequency	f max.	10 MHz
Max. load current @25°C	IL	2.5 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	Ipe	None
Leakage current to Ground		
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	I _{max}	10 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	I _{max} Total	20 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	10 kV / 5 kA
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
Protection level L/PE @ In (8/20µs)	Up L/PE	1.5 kV
Admissible short-circuit current	Iscrr	10 000 A
Mechanical Characteristics		
Technology		MOV+GDT
Connection to Network		By screw terminal: 1.5mm ² max.
Mounting		On plate
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection and AC continuity
Disconnection indicator		Green LED OFF and remote signaling
Operating indicator		Green Led ON
Remote signaling of disconnection		yes : output on contact NO
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
Part number		
721202		

