

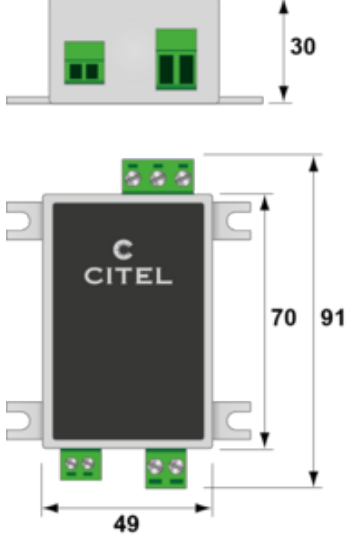
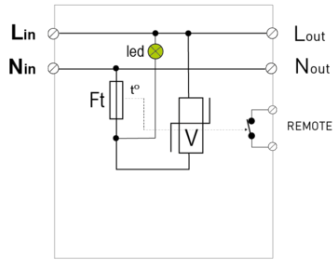
MLP2-230S-P



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	2+3	
 <p>V: Varistor Ft: Thermal fuse LED: Status indicator Remote: Dry contact for remote signaling</p>	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	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 Leakage current to Ground	I _{pe}	None
	Follow current	I _f	None
	Nominal discharge current 15 x 8/20 μs impulses	I _n	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 @ I _n (8/20μs)	Up L/N	1.5 kV
	Protection level L/PE @ I _n (8/20μs)	Up L/PE	1.5 kV
Admissible short-circuit current	I _{sc}	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	T _u	-40/+85°C	
Protection rating		IP20	
Failsafe mode		Disconnection and AC continuity	
Disconnection indicator		Green LED OFF and remote signaling	
Voltage/operating indicator		Green Led ON	
Remote signaling of disconnection		yes : output on contact NO	
Dimensions		See diagram	
Weight		0.081 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		721202	