

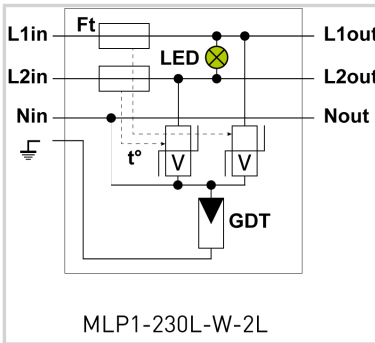


CITEL

MLP1-230L-W-2L

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	230-277 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 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)	Common/Differential mode		
Protection level L/N @ I _n (8/20μs)	U _p L/N	1.5 kV	
Protection level L/PE @ I _n (8/20μs)	U _p L/PE	1.5 kV	
Admissible short-circuit current	I _{sc} cr	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	IP65		
Failsafe mode	Disconnection and AC line cut-off		
Disconnection indicator	LED green OFF and AC network cut-off		
Operating indicator	Green Led ON		
Remote signaling of disconnection	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			
731211			

