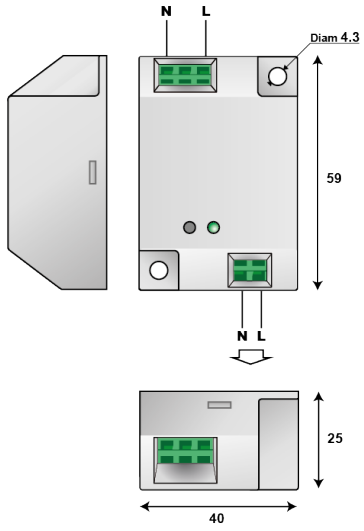
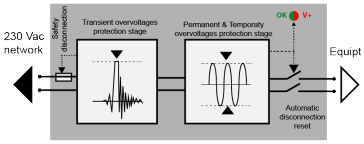
Protection against Surge, Temporary and Permanent overvoltages for Class II LED lighting system

MLPVM2-230L-5A



- Protection against all types of overvoltages
- For Class II Led lighting
- 230 V single-phase network / 5 A
- Function 'Surge voltage protection' (SPD)
- Surges due to lighting or switching
- Function 'Permanent or temporary overvoltage protection' (POP)





Electrical Characteristics		
Network		230/400V
AC system		TT-TN
Max. AC operating voltage	Uc	255 Vac
Max. load current @25°C	IL	5 A
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
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)		L/N
Protection level L/N *@ In (8/20µs)*	Up L/N	1.5 kV
Admissible short-circuit current	Isccr	10 000 A
Mechanical Characteristics		
Connection to Network		In series by conductors 1.5mm² - spring terminal
Mounting		On plate
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Insulation class		Classe 2
Failsafe mode		Disconnection and AC line cut-off
Disconnection indicator		Green LED OFF and line cut off
Operating indicator		Green Led ON
Dimensions		See diagram
Weight		0.040 kg
Standards		
Standards compliance		EN 61643-11 / IEC 61643-11
Certification		
Part number		
832278		