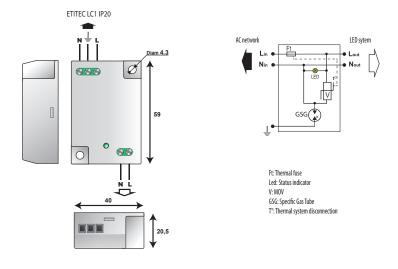
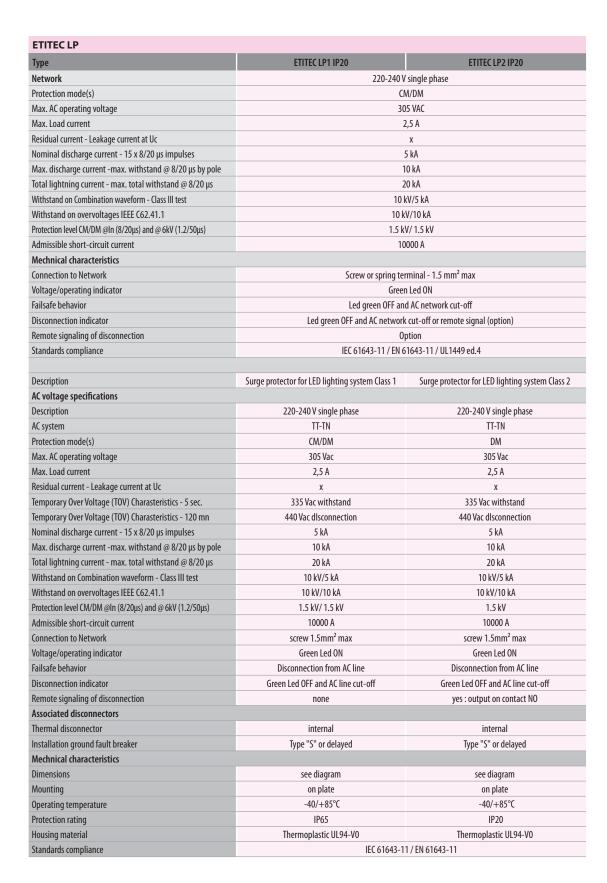
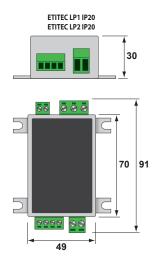


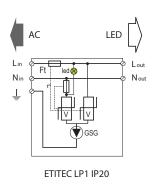
## LED lighting protection

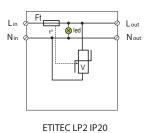
ETITEC LC1 IP20		
Description		Surge protectors for LED lighting system Class 1
Network		220-240 V single phase
AC system		TT/TN
Protection mode(s)		CM/DM
Max. AC operating voltage	U,	320 VAC
Max. Load current	I <sub>L</sub>	5 A
Residual current - Leakage current at Uc	l <sub>pe</sub>	Х
Temporary Over Voltage (TOV) Charasteristics - 5 sec.	Ü,	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn	U <sub>T</sub>	440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT)	U <sub>T</sub>	1200 V/300A/200 ms disconnection
Nominal discharge current - 15 x 8/20 µs impulses	I <sub>n</sub>	5 kA
Max. discharge current -max. withstand @ 8/20 µs by pole	l max	10 kA
Total lightning current - max. total withstand @ 8/20 μs	total	20 kA
Withstand on Combination waveform - Class III test	U <sub>oc</sub>	10 kV/5 kA
Withstand on overvoltages IEEE C62.41.1		10 kV/10 kA
Protection level CM/DM @In (8/20µs) and @ 6kV (1.2/50µs)	U <sub>D</sub>	1.5 kV/ 1.5 kV
Admissible short-circuit current	l <sub>sccr</sub>	10000 A
Admissible short-circuit current		25000 A
Associated disconnectors		
Thermal disconnector		internal
Installation ground fault breaker		Type "S" or delayed
Mechnical characteristics		
Dimensions		see diagram
Connection to Network		Screw (2.5 mm <sup>2</sup> max) or Spring (1.5 mm <sup>2</sup> max) contact terminal
Voltage/operating indicator		Green Led ON
Disconnection indicator		Disconnection
Failsafe behavior		Led green OFF and AC network cut-off
Remote signaling of disconnection		X
Mounting		on plate
Operating temperature		-40 +85°C
Protection rating		IP20
Housing material		Thermoplastic UL94-V0
Standards compliance		EN 61643-11 / IEC 61643-11







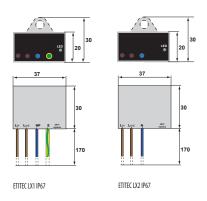


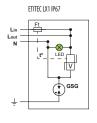


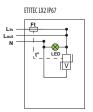
Ft: Thermal fuse
Led: Status indicator
V: MOV
GSG: Specific Gas Tube
G3: 3-pole Gas Tube
D: Clamping diode network
Remote: Dry contact for remote signalling

**ETITEC LX** ETITEC LX2 IP67 Type ETITEC LX1 IP67 Description Compact Type 2 +3 hard-wired surge protector Application (Classe) Ι  $\parallel$ Network 230-277 V single phase 230-277 V single phase AC system TT/TN TT/TN Protection mode(s) CM/DM  $\mathsf{DM}$ Max. AC operating voltage 320 VAC 320 VAC Max. Load current 10A 10A Temporary Over Voltage (TOV) Charasteristics - 5 sec. 335 Vac withstand 335 Vac withstand Temporary Over Voltage (TOV) Charasteristics - 120 mn 440 Vac disconnection 440 Vac disconnection Temporary Over Voltage N/PE (TOV HT) 1200 V/300A/200 ms disconnection Χ Nominal discharge current - 15 x 8/20 µs impulses 5 kA 5 kA Max. discharge current -max. withstand @ 8/20 μs by pole 10 kA 10 kA Total max. discharge current - max. total withstand @ 8/20 µs 20 kA NA Withstand on Combination waveform - Class III test 10 kV 10 kV Withstand on overvoltages IEEE C62.41.1 10 kV/10 kA 10 kV/10 kA Protection level CM/DM @In (8/20µs) and @ 6kV (1.2/50µs) 1.5 kV/1.5 kV 1.5 kV Admissible short-circuit current 10000 A 10000 A Associated disconnectors Thermal disconnector internal Type "S" or delayed Installation ground fault breaker Mechnical characteristics Dimensions see diagram by wires: 1.5 mm<sup>2</sup> (L/N) Connection to Network by wires :1.5  $\text{mm}^2$  (L/N) & 2.5  $\text{mm}^2$  (PE) Voltage/operating indicator Green Led ON Disconnection indicator Disconnection Led green OFF and AC network cut-off Failsafe behavior Remote signaling of disconnection Mounting wall or plate Operating temperature -40/+85°C Protection rating IP67 Thermoplastic UL94-V0 Housing material Standards compliance EN 61643-11 / IEC 61643-11

ETI





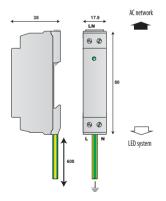


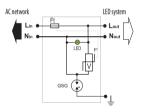
V: Varistor GSG: Specific gas tube Ft: Thermal fuse LED: Disconnection indicator t°: Thermal system disconnection

ETITEC L1 DIN	
Description	Surge protectors for LED lighting system Class 1
Network	220-240 V single phase
AC system	TT/TN
Protection mode(s)	CM/DM
Max. AC operating voltage	320 VAC
Max. Load current	10A
Residual current - Leakage current at Uc	X
Temporary Over Voltage (TOV) Charasteristics - 5 sec.	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn	440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT)	1200 V/300A/200 ms disconnection
Nominal discharge current - 15 x 8/20 µs impulses	5 kA
Max. discharge current -max. withstand @ 8/20 µs by pole	10 kA
Total lightning current - max. total withstand @ 8/20 µs	20 kA
Withstand on Combination waveform - Class III test	10 kV / 5 kA
Withstand on overvoltages IEEE C62.41.1	10 kV/10 kA
Protection level CM/DM @In (8/20µs) and @ 6kV (1.2/50µs)	1.5 kV/ 1.5 kV
Admissible short-circuit current	10000 A
Associated disconnectors	
Thermal disconnector	internal
Installation ground fault breaker	Type «S» or delayed
Mechnical characteristics	
Dimensions	see diagram
Connection to Network	Screw terminal 2.5 mm <sup>2</sup> max., Earthing conductor 2 mm <sup>2</sup> - length 60 cm
Voltage/operating indicator	Led green ON
Disconnection indicator	Disconnection and AC line cut-off
Failsafe behavior	Led green OFF and AC network cut-off
Remote signaling of disconnection	Х
Mounting	Symmetrical rail 35mm (EN60715)
Operating temperature	-40 +85°C
Protection rating	IP20
Housing material	Thermoplastic UL94-V0
Standards compliance	EN 61643-11 / IEC 61643-11



## Technical data





V: Varistor Ft: Thermal fuse LED: Disconnection indicator MI: Mechanical disconnection indicator t°: Thermal system disconnection GSG: Specific Gas Tube