Category IEC / EN:	Type 2 (or 3) surge protector for Led lighting
Location of use:	Plate mounting
Connections:	Spring terminal connection
Complies with:	IEC 61643-11 and EN 61643-11 compilance
Status indicator	
End of life AC Disconnection	
Pluggable module	
Very compact	

Technical data: LED PRO

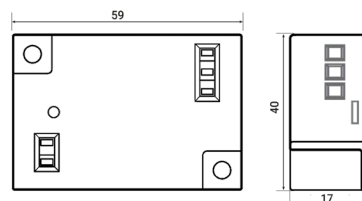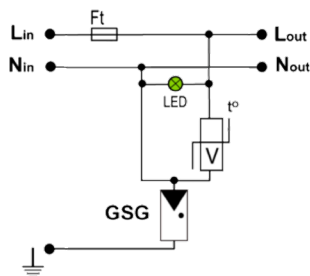|		
Network	U_n	220-240 V single phase
AC system		TT/TN
Max.continuos operating voltage (AC)	U_c	320 Vac
Max. Load current	IL	10A
Residual current - Leakage current at Uc	I_{pe}	None
Temporary Over Voltage (TOV) Charasteristics - 5 sec.	U_{TOV}	355 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn	U_{TOV}	440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT)	U_{TOV}	-
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 lighting current - max. total withstand @ 8/20 μs	I_{total}	20 kA
Withstand on Combination waveform - Class III test	U_{oc}	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_p	1,5 kV
Admissible short-circuit current	I_{SCCR}	10000 A
Associated disconnectors		
Thermal disconnector		internal
Instalation ground fault breaker		Type «S» or delayed
Mechnical characteristics		
Connection to Network		0,5 - 2,5mm² spring terminal
Disconnection indicator		Disconnection and AC line cut-off
Failsafe behavior		Led green OFF and AC network cut-off
Remote signaling of disconnection		none
Mounting		on plate
Operating temperature range		-40 °C/+85 °C
Protection rating		IP20
Voltage/operating indicator		Green LED ON
Enclosure material		Thermoplastic UL-94-V0

Order informations	Order Code	Weight
LED PRO	400001	35 g

LZ PRO 01G-OT is a single-port surge protector designed for exterior applications with an IP 66 rated Aluminum alloy case. It supports 8 lines network signals and provides surge protection for wires. The maximum common mode surge voltage is 10KV(10/700us) and max differential mode surge voltage is 6KV(10/700us).
It supports 10/100/1000Mbps of data rates. It well protects your device against surge damage.
Designed for outdoor use,the LZ PRO 01G-OT operates from -40°C to +65°C in an IP67 enclosure. Equip port should always be connected to device which you want it to be protected. Both RJ45 ports connect to network over Cat5e/Cat6 cables which is very conveniently and tightly. It can be easily installed with 2 mounting holes.
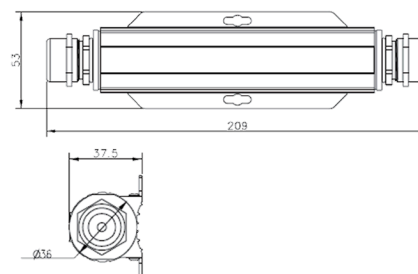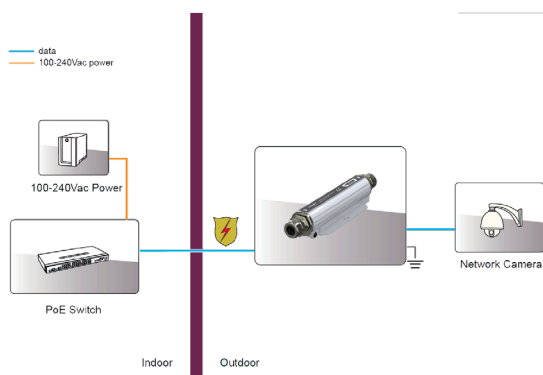
Standards and approvals:
FCC CFR47 Part 15; EN55024; EN55032; IEEE802.3 10Base-T Ethernet; IEEE802.3u 100Base-Tx Fast Ethernet; IEEE802.3ab 1000Base-T Gigabit Ethernet;
RoHS Compliance; WEEE Compliance

Technical data: LZ PRO 01G-OT	
Network	Gigabit Ethernet (Cat.5E / Cat6)
Max. data rate	0/100/1000Mbps(Gigabit)
Max Discharge Current	20 kA (8/20us - 2,5 kA per line)
Protected Line	1,2,3,4,5,6,7,8
Common Mode Protection Level(10/700us)	10 kV
Differential Mode Protection Level(10/700us)	6 kV
Clamping Voltage(Line to GND)	300 V
Clamping Voltage(Line to Line)	10 V
Insertion Loss @10MHz/100MHz	-1 db
Return Loss @10MHz/100MHz	-20 db
Response Time	5ns
IEC61000-4-2(ESD)	± 6 kV (contact), ±8 kV (air)
IEC61000-4-3(RS)	10V / m (80 MHz~2 GHz)
IEC61000-4-4(EFT)	Power Port: ±2 kV
IEC61000-4-5(Surge)	Power Port:±1 kV/DM, ±2 kV/CM
IEC61000-4-6(CS)	10 V (150 kHz~80 MHz)
Mechnical characteristics	
Dimensions	209 x 53 x 37,5 mm
Connection to Network	Connector RJ45
Operating temperature range	-40 °C/+65 °C
Storage Temperature	-40 °C/+85 °C
Operating Humidity	20% to 80%, non-condensation
Storage Humidity	10% to 95%, non-condensation
Operating Altitude	up to 5000 m
Weight	380 g
Housing material	Aluminium alloy
Mounting	Wall mounting
Degree of protection	IP67

Order informations	Order Code	Weight
LZ PRO 01G-OT	500002	392 g

CE EAC

data
100-240Vac power

100-240Vac Power

PoE Switch

Network Camera

Indoor   Outdoor

53
209
37,5
Ø36

Zaščite
PROTECTIONS

LZ PRO-NET1 is single-port PoE surge protector,which has 1 input port and 1 output port. It supports 8 lines network signals and provides surge protection for PoE wires. The maximum common mode surge voltage is 10KV (10/ 700us) and differential mode surge voltage is 1.5KV(10/700us). It supports 10/100/1000Mbps of date speed. It also supports PoE wires with IEEE802.3af/at/bt or Po-E++ standard and protects your device against surge damage. LZ PRO-NET1 is designed for indoor use with Zinc alloyshell, which works with 60Vdc Max voltage and operates under -40°C to +85°C. It is connected to network over Cat5e/Cat6 cables with RJ45 connector conveniently and tightly. This model equipped standard DIN rail mounting bracket, which can easily jam into the guide rail. The DIN rail as a ground wire to transmit the current to the earth.

Standards and approvals:
IEEE802.3 10Base-T Ethernet; IEEE802.3u 100Base-Tx Fast Ethernet; IEEE802.3ab 1000Base-T Gigabit Ethernet;
Support PoE wire with IEEE802.3af/at standards; Support 110W IEEE802.3bt and PoE++ standards;
FCC CFR47 Part 15, EN55024, EN55032; IEC60068-2-6(Vibration); IEC60068-2-27 (Impact);
IEC60068-2-32(Free Fall);
RoHS Compliance; WEEE Compliance

Technical data: LZ PRO-NET1	
Network	Gigabit Ethernet (Cat.5E / Cat6)
Max. data rate	0/100/1000Mbps(Gigabit)
Max Discharge Current	10 kA (8/20us - 1,25kA per line)
Protected Line	1,2,3,4,5,6,7,8
Common Mode Protection Level(10/700us)	10 kV
Differential Mode Protection Level(10/700us)	1,5 kV
Insertion Loss @10MHz/100MHz	-1 db
Return Loss @10MHz/100MHz	-20 db
Response Time	5 ns
Maximum Operating DC Current	1A for 2 pairs; 2A for 4 pairs; Maximum 110W
IEC61000-4-2(ESD)	± 6 kV(contact), ±8kV(air)
IEC61000-4-3(RS)	10V/m(80MHz~2GHz)
IEC61000-4-4(EFT) Power Port	±2 kV
IEC61000-4-5(Surge) Power Port	± 1kV/DM, ±2kV/CM
IEC61000-4-6(CS)	10 V (150kHz~80MHz)
Mechnical characteristics	
Dimensions	77 x 45 x 19 mm
Connection to Network	Connector RJ45
Operating temperature range	-40 °C/+85 °C
Storage Temperature	-40 °C/+85 °C
Operating Humidity	20% to 80%, non-condensation
Storage Humidity	10% to 90%, non-condensation
Weight	115 g
Housing material	Zinc alloy
Mounting	DIN rail mounting
Degree of protection	IP40

Order informations	Order Code	Weight
LZ PRO-NET1	500001	399 g

data
100-240Vac power

100-240Vac Power

PoE Switch

Network Camera

Indoor

7
55
77,2
19
45

Zaščite
PROTECTIONS