

LED enclosure light - PLD E 608 W 315/B - 2702227

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LED enclosure light, AC wide-range input, color temperature 4000 K, with motion sensor, type B socket (e.g., for USA)

Product Description


The LED light is designed to illuminate the interior of control cabinets. The integrated optics ensure optimum illumination of the control cabinet. Tool-free assembly using the integrated retaining hook system. This allows several lights to be successively switched. Switching the light on and off takes place via an integrated motion sensor.

Your advantages

- ✓ Tool-free mounting, thanks to the patented snap-in hook system
- ✓ Worldwide use, thanks to AC wide range input
- ✓ Integrated motion detector saves on MRP and installation costs for door position switches
- ✓ Socket enables the operation of external devices even when power is disconnected to the control cabinet
- ✓ Series connection reduces cabling effort for control cabinets arranged in series
- ✓ Optimum lighting of the control cabinet, thanks to integrated optics
- ✓ LED service life of 50,000 h (L70 value) prevents bulb replacement



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 057514
GTIN	4055626057514
Weight per Piece (excluding packing)	770.000 g
Custom tariff number	94054039
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

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Technical data

Dimensions

Width	91 mm
Height	44 mm
Length	315.4 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 %
Permissible humidity (storage/transport)	5 % ... 95 %
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20

General

Socket	Type B
Housing material	Plastic
Assembly instructions	Magnet attachment available as an accessory Screw fixings available as accessories
Color	traffic grey A RAL 7042
Net weight	770 g
Mounting type	Snap-in hook system
Mounting position	any
Can be used as typical for the country	USA Canada Brazil Japan

Power supply for module electronics

Connection method	Installation coupler
Number of positions	3
Supply voltage range	100 V AC ... 125 V AC (50/60 Hz) 100 V AC ... 125 V AC (50/60 Hz, nominal voltage)
Current consumption	max. 12 A (from the socket)
Power consumption	9.8 W

Light properties

Source of light type	LED
Number of LEDs	23
Service life, lighting appliance	50,000 h (L70)
Light color	Neutral white
Color temperature / wavelength	4000 K
Color rendering index	85
Luminous flux	685 lm (Net luminous flux)

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Light properties

Illumination	max. 1255 lx (50 cm distance)
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Motion detector

Detection range	1.5 m ±0.25 m
Detection angle	35 ° ±5° (Horizontal and vertical)
Lighting duration	180 s (Retriggered)

Standards and Regulations

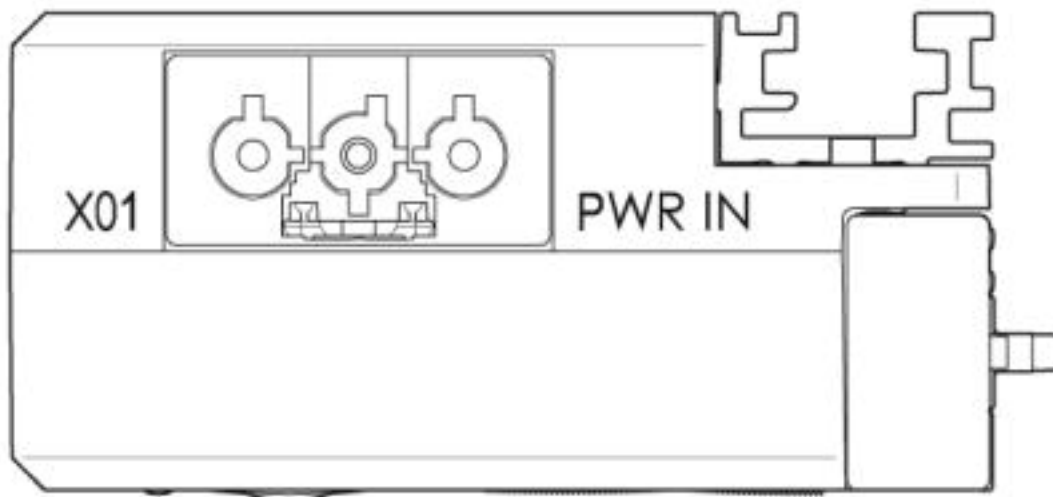
Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g
	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 25g, 11 ms period, half-sine shock pulse
	Continuous shock according to EN 60068-2-27/IEC 60068-2-27 10g
Protection class	I

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

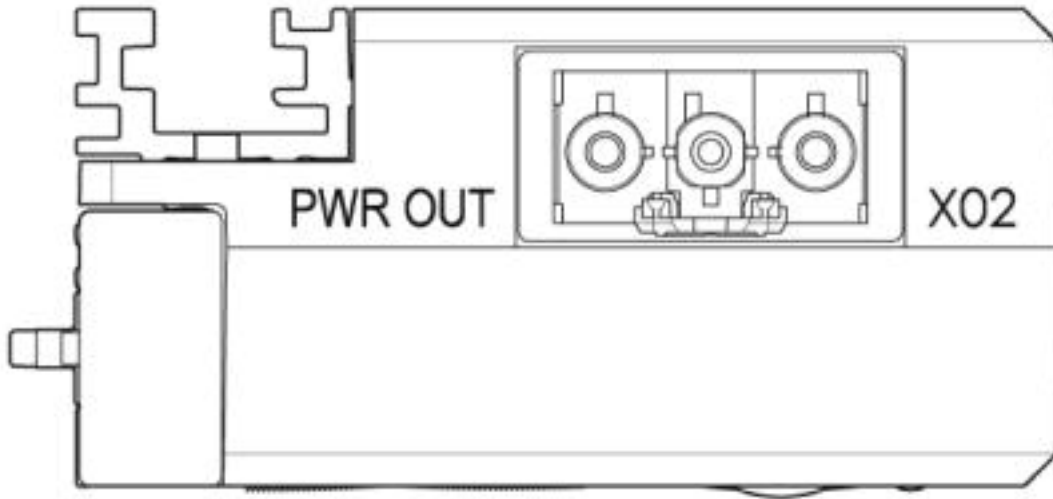
Connection diagram



Connection of the supply voltage of a light

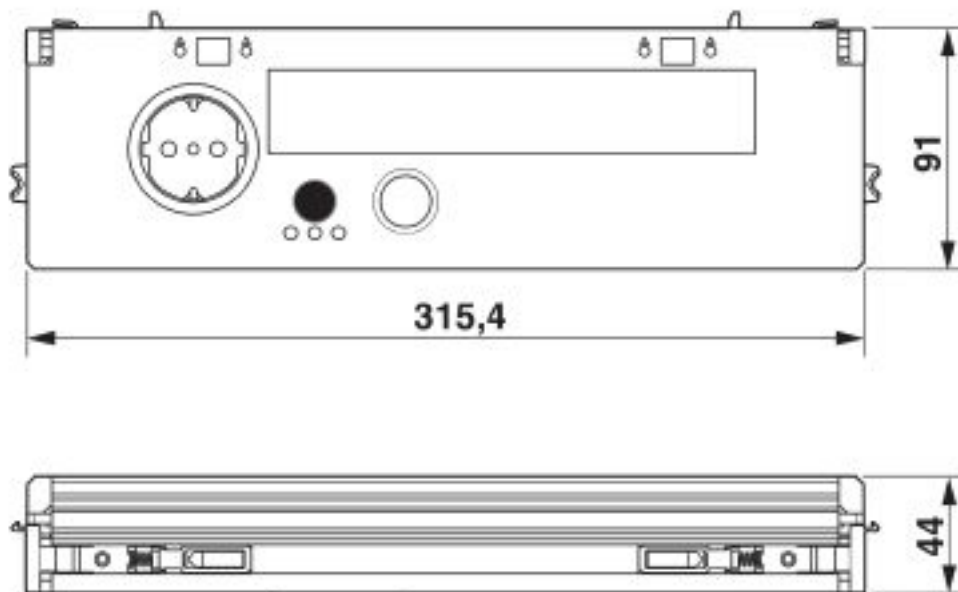
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Connection diagram



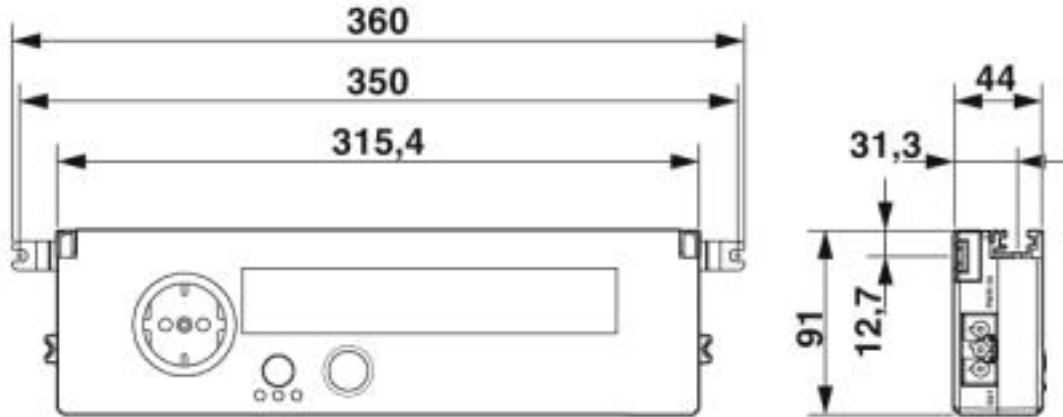
Forwarding of the supply voltage with the series connection of lights

Dimensional drawing



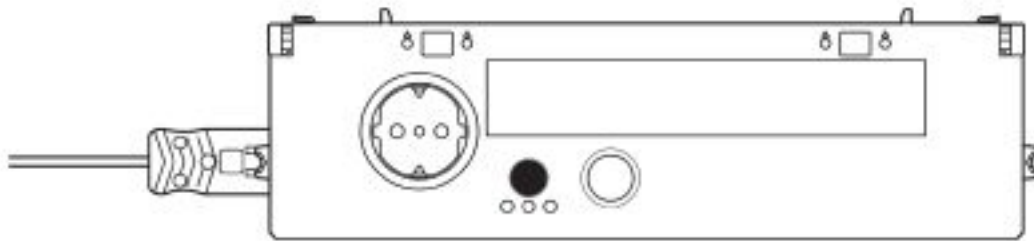
LED enclosure light - PLD E 608 W 315/B - 2702227

Dimensional drawing



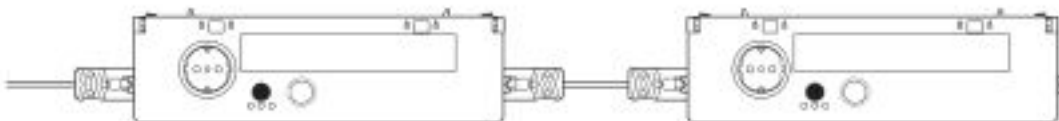
Dimensional drawing for screw mounting

Schematic diagram



Connection of a light

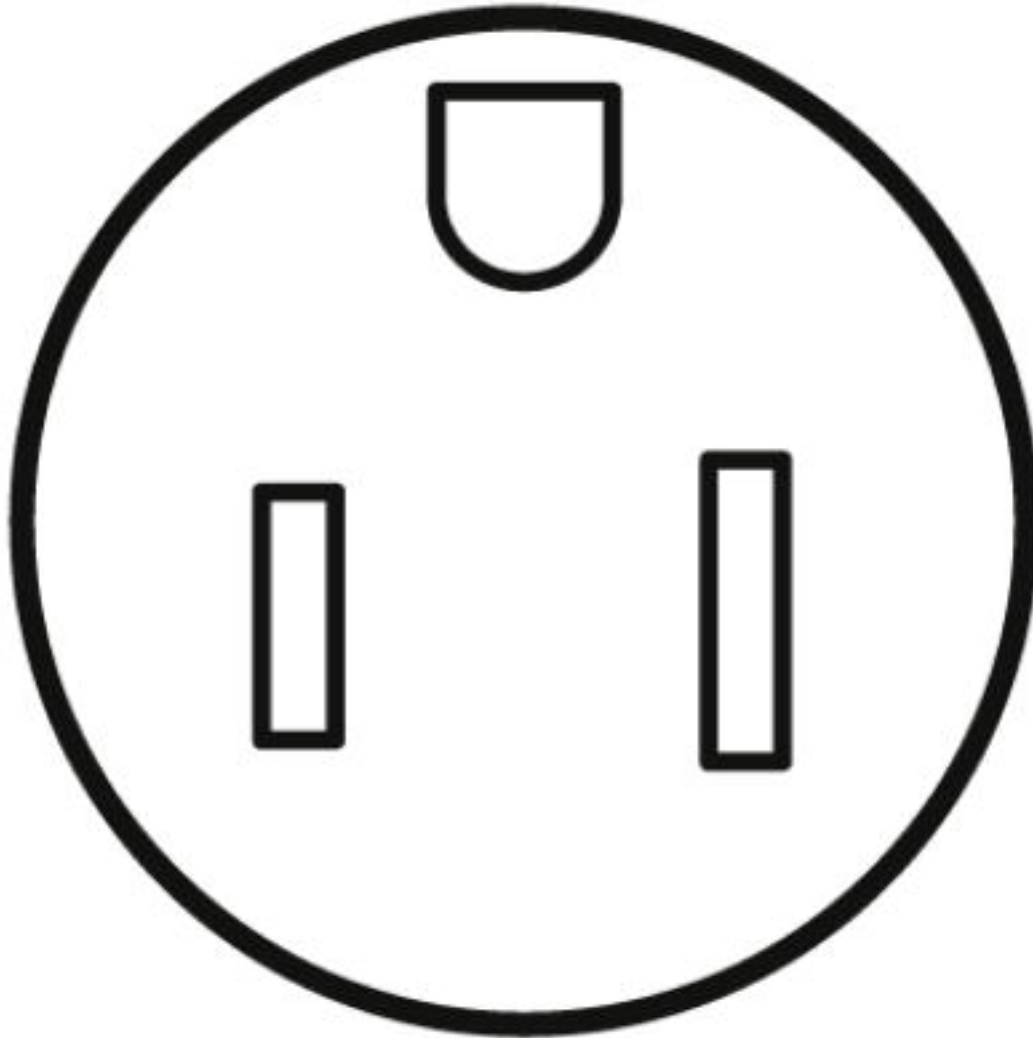
Schematic diagram



Series connection of two lights

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Schematic diagram



Type B socket (NEMA 5-15)

Classifications

eCl@ss

eCl@ss 5.0	27189200
eCl@ss 5.1	27189200
eCl@ss 6.0	27189200
eCl@ss 7.0	27189241
eCl@ss 8.0	27189241
eCl@ss 9.0	27189241

ETIM

ETIM 4.0	EC000321
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Classifications

ETIM

ETIM 5.0	EC000321
ETIM 6.0	EC000321
ETIM 7.0	EC000321

Approvals

Approvals

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UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 255026
mm ² /AWG/kcmil		30-14	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 255026
mm ² /AWG/kcmil		30-14	

cULus Recognized	
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Accessories

Accessories

Installation connector

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Accessories

Connector - PLD E 608-CO-MS - 2702308



Connector for series connection, black, 3-pos.

Connector - PLD E 608-CO-FS - 2702309



Socket for power supply and series connection, black, 3-pos.

Mounting material

Mounting material - PLD E 608-ME MM - 2702315



Set for magnetic mounting of class 600 PLD enclosure lights

Mounting material - PLD E 608-ME SM - 2702316



Set for screw mounting of class 600 PLD enclosure lights, including screws

Mounting material - PLD E 608-ME SFM - 2702317



Set consisting of two mounting carriages with snap-in hooks for class 600 PLD enclosure lights (replacement part)

Power cable

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Accessories

Power cable - PLD E 608-CA-3,0/FS/UL - 2702306



Power cable, 3-position, PVC, gray RAL 7001, free cable end, on Socket straight, black, cable length: 3 m, with UL approval

Power cable - PLD E 608-CA-MS/0,6/FS/UL - 2702307



Power cable, 3-position, PVC, gray RAL 7001, Plug straight, black, on Socket straight, black, cable length: 0.6 m, with UL approval

Power distributor

T distributor - PLD E 608-CO-MS/FS/FR - 2702310



T-distributor with 2 sockets and one connector for series connection, black, 3-pos.
