

PLD E 608 W 315/F - LED enclosure light



2702226

<https://www.phoenixcontact.com/it/products/2702226>

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LED enclosure light, AC wide-range input, color temperature 4000 K, with motion sensor, type F socket (Schuko)

Product description

The LED light is designed to illuminate the interior of control cabinets. The prismatic integrated into the light cover ensures optimum illumination of the control cabinet. You can mount the light without tools via the integrated latching hook system. You can connect several lights in succession. You can control the light mode via a button. You can switch the light on or off permanently or enable the automatic mode. In automatic mode, the light is switched on and off via an integrated motion detector.

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

Commercial data

Item number	2702226
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DRL
Product key	DRL235
Catalog page	Page 501 (C-6-2019)
GTIN	4055626057507
Weight per piece (including packing)	888.1 g
Weight per piece (excluding packing)	888.1 g
Country of origin	DE

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Technical data

Product properties

Product type	Control cabinet lighting
Mounting position	any
For country-specific use in	Germany
	Finland
	Greece
	Luxembourg
	Netherlands
	Norway
	Austria
	Portugal
	Russia
	Sweden
	Spain
	Turkey
Application	Control cabinet
Socket	Type F

Electrical properties

Maximum power dissipation for nominal condition	9.8 W
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Supply: Module electronics

Connection method	Installation coupler
Number of positions	3
Supply voltage range	85 V AC ... 265 V AC (50/60 Hz)
	100 V AC ... 250 V AC (50/60 Hz, nominal voltage)
Current consumption	max. 16 A (from the socket)
Power consumption	9.8 W

Signaling

Motion detector

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

Light properties

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

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Illumination	max. 1255 lx (50 cm distance)
	max. 310 lx (Distance of 1 m)
Ordinance	Delegated Regulation (EU) 2019/2015
Energy efficiency class	G (1 light source)
Note	This product contains an energy efficiency class E light source.

Dimensions

Dimensional drawing	
Width	91 mm
Height	44 mm
Length	315.4 mm

Material specifications

Color	traffic grey A RAL 7042
Housing material	Plastic

Environmental and real-life conditions

Ambient conditions	
Ambient temperature (operation)	-25 °C ... 60 °C
Degree of protection	IP20
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)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 %
Permissible humidity (storage/transport)	5 % ... 95 %

Standards and regulations

Protection class	I
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Mounting

Mounting type	Snap-in hook system
Assembly instructions	Magnet attachment available as an accessory
	Screw fixings available as accessories
Mounting position	any

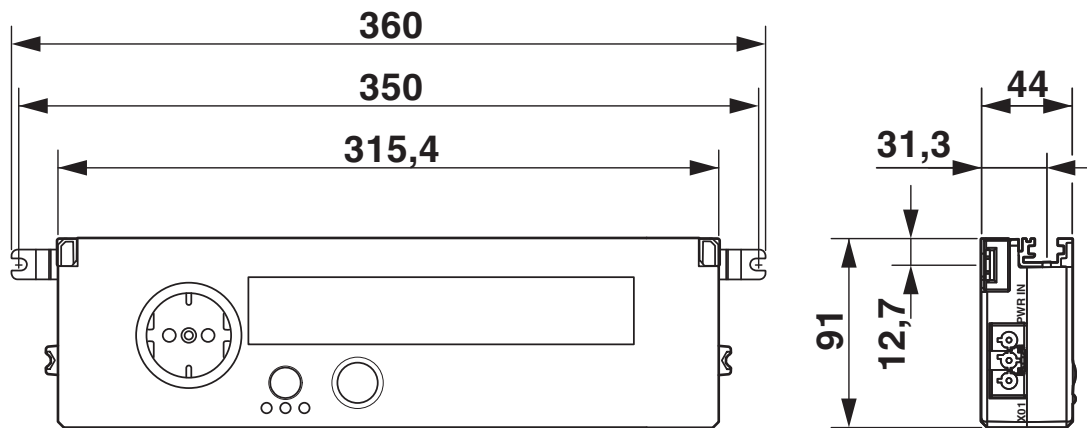
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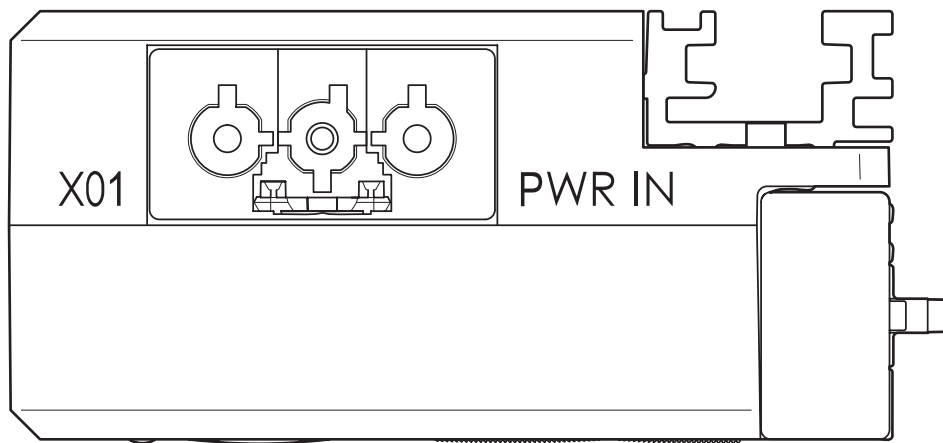
Drawings

Dimensional drawing



Dimensional drawing for screw mounting

Connection diagram



Connection of the supply voltage of a light

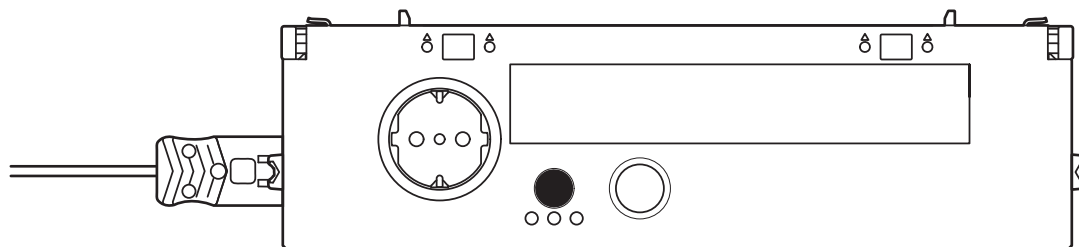
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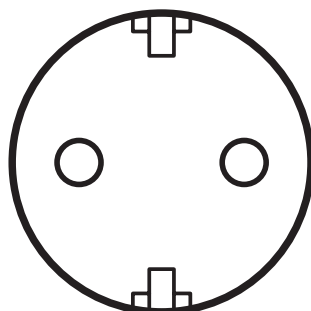


Schematic diagram



Connection of a light

Schematic diagram



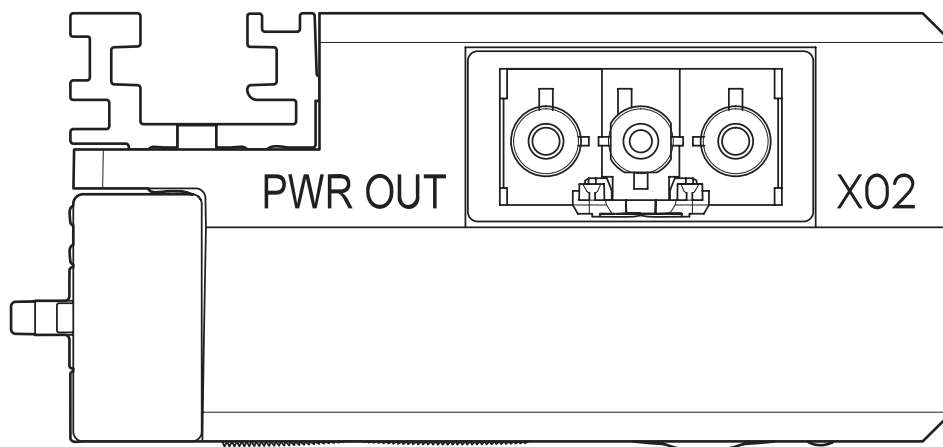
Type F socket

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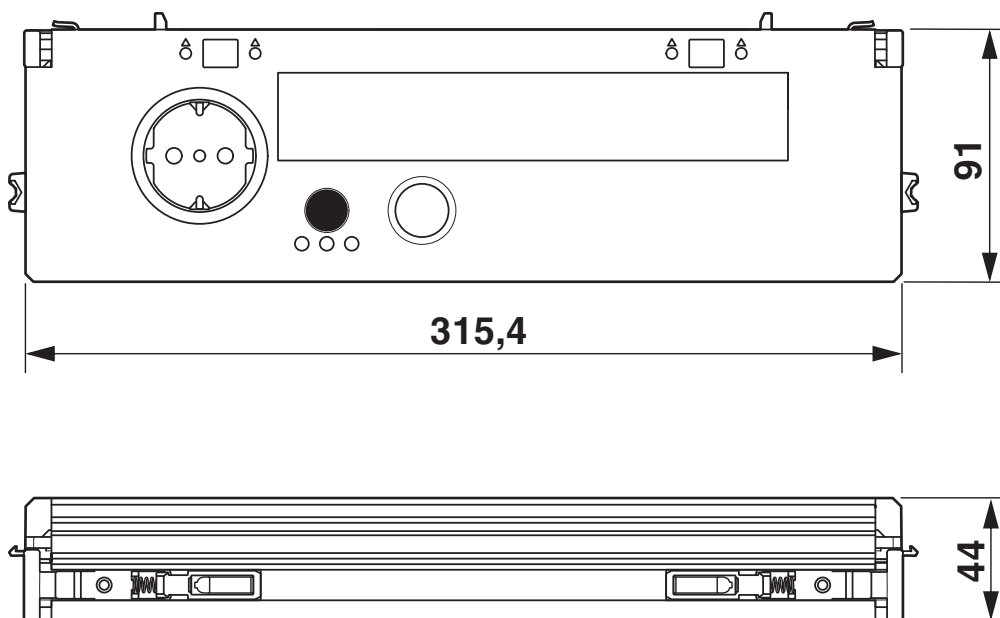
<https://www.phoenixcontact.com/it/products/2702226>

Connection diagram



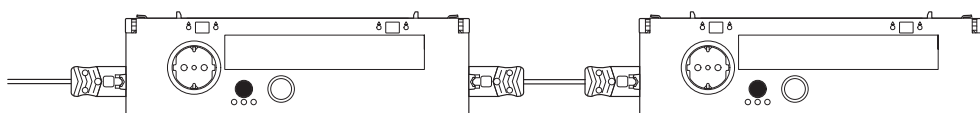
Forwarding of the supply voltage with the series connection of lights

Dimensional drawing



Dimensional drawing

Schematic diagram



Series connection of two lights

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Classifications

ECLASS

ECLASS-11.0	27182808
ECLASS-12.0	27182808
ECLASS-13.0	27182808

ETIM

ETIM 8.0	EC000321
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UNSPSC

UNSPSC 21.0	32151500
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Environmental product compliance

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

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