

LED enclosure light - PLD E 608 W 315/F - 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 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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 057507
GTIN	4055626057507
Weight per Piece (excluding packing)	880.000 g
Custom tariff number	94054039
Country of origin	Germany

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Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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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 F
Housing material	Plastic
Assembly instructions	Magnet attachment available as an accessory
	Screw fixings available as accessories
Color	traffic grey A RAL 7042
Net weight	888.1 g
Mounting type	Snap-in hook system
Mounting position	any
Can be used as typical for the country	Germany
	Finland
	Greece
	Luxembourg
	Netherlands
	Norway
	Austria
	Portugal
	Russia
	Sweden
	Spain
	Turkey

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Technical data

Power supply for 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

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)
Illumination	max. 1255 lx (50 cm distance)

Motion detector

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

Standards and Regulations

Immunity to ESD	Noise immunity test in accordance with EN 61000-6-2 Electrostatic discharge (ESD) EN 61000-4-2/IEC 61000-4-2 Criterion B, 4 kV contact discharge, 8 kV air discharge
Immunity to EF	Noise immunity test in accordance with EN 61000-6-2 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 Criterion A, Field intensity: 10 V/m
Immunity to burst	Noise immunity test in accordance with EN 61000-6-2 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 Criterion A, \pm 4 kV
Immunity to surge	Noise immunity test in accordance with EN 61000-6-2 Transient overvoltage (surge) EN 61000-4-5/IEC 61000-4-5 Criterion A, \pm 1 kV (symmetrical), \pm 2 kV (asymmetrical)
Immunity to conducted interference	Noise immunity test in accordance with EN 61000-6-2 Conducted interference EN 61000-4-6/IEC 61000-4-6 Criterion A, Test voltage 10 V
Interference emission	Noise emission test according to EN 61000-6-3 Class B
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
	Continuous shock according to EN 60068-2-27/IEC 60068-2-27 10g
Protection class	I

Environmental Product Compliance

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Environmental Product Compliance

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

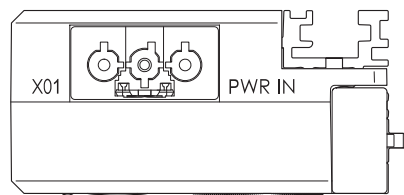
Drawings

Schematic diagram



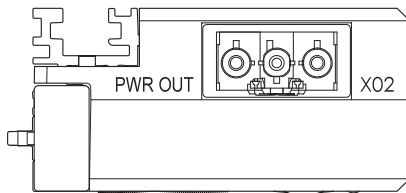
Type F socket (CEE 7/4)

Connection diagram



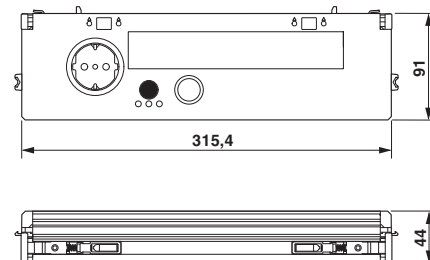
Connection of the supply voltage of a light

Connection diagram



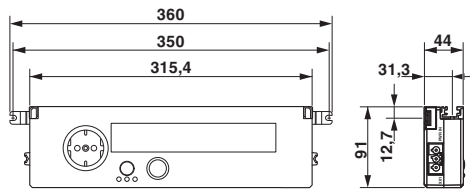
Forwarding of the supply voltage with the series connection of lights

Dimensional drawing



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Dimensional drawing



Schematic diagram



Dimensional drawing for screw mounting

Connection of a light

Schematic diagram



Series connection of two lights

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Classifications

eCl@ss

eCl@ss 10.0.1	27182808
eCl@ss 11.0	27182808
eCl@ss 5.0	27189200
eCl@ss 5.1	27189200
eCl@ss 6.0	27189200
eCl@ss 7.0	27189241
eCl@ss 9.0	27189241

ETIM

ETIM 4.0	EC000321
ETIM 6.0	EC000321
ETIM 7.0	EC000321

Approvals

Approvals


Approvals


EAC / EAC-RoHS / EAC

Ex Approvals

Approval details

EAC		RU *- DE.**08.B.01474
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EAC-RoHS		RU D- DE.HB35.B.00391
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EAC		RU *- DE.**08.B.01474
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