

LED enclosure light - PLD E 608 W 265 - 2702224

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LED enclosure light, AC wide-range input, color temperature 4000 K, with motion sensor

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
- ✓ 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 057095
GTIN	4055626057095
Weight per Piece (excluding packing)	760.000 g
Custom tariff number	94054039
Country of origin	Germany

Technical data

Note

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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	265 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	none
Housing material	Plastic
Assembly instructions	Magnet attachment available as an accessory
	Screw fixings available as accessories
Color	traffic grey A RAL 7042
Net weight	760.8 g
Mounting type	Snap-in hook system
Mounting position	any

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)
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

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Technical data

Light properties

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

Standards and Regulations

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, ±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, ±1 kV (symmetrical), ±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, 11 ms period, half-sine shock pulse
	Continuous shock according to EN 60068-2-27/IEC 60068-2-27 10g
Protection class	I

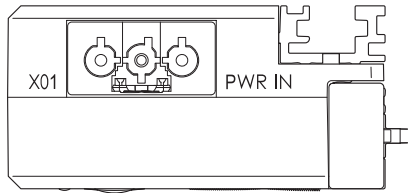
Environmental Product Compliance

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

Drawings

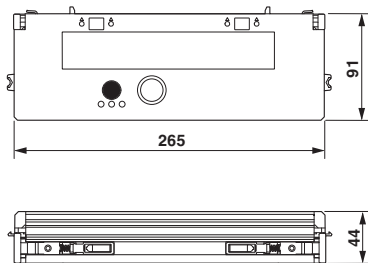
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Connection diagram

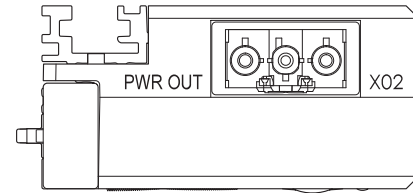


Connection of the supply voltage of a light

Dimensional drawing

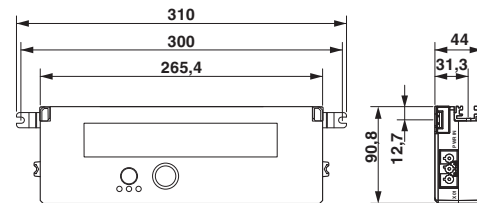


Connection diagram



Forwarding of the supply voltage with the series connection of lights

Dimensional drawing



Dimensional drawing for screw mounting

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Schematic diagram



Schematic diagram



Connection of a light

Series connection of two lights

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

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Approvals

Approvals

UL Recognized / cUL Recognized / UL Recognized / cUL Recognized / EAC / EAC-RoHS / EAC

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 255026
cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 255026
UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 255026
		mm²/AWG/kcmil	30-14
cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 255026
		mm²/AWG/kcmil	30-14
EAC		RU *- DE. **08.B.01474	
EAC-RoHS		RU D- DE.HB35.B.00391	

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Approvals

EAC



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DE. **08.B.01474