PLD E 400 W 250 - LED enclosure light

2702221

https://www.phoenixcontact.com/us/products/2702221

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LED enclosure light, 24 V DC, length: 250 mm, degree of protection: IP20, can be swiveled, can be switched in series, including mounting accessories

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 clip system. You can connect several lights in succession. You can switch the light on and off either via the integrated button or via an external door position switch.

Your advantages

- Tool-free mounting, thanks to clip fastening
- Wiring via sensor/actuator cables with M8 snap-in technology
- Series connection reduces cabling effort for control cabinets arranged in series
- Optimum lighting of the control cabinet, thanks to integrated prismatics and capacity to swivel
- Swiveling enables optimum adjustment to the relevant control cabinet depth
- LED service life of 50,000 h (L70 value) prevents bulb replacement

Commercial data

Item number	2702221
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR08
Product key	DRL232
GTIN	4055626057293
Weight per piece (including packing)	166 g
Weight per piece (excluding packing)	163.7 g
Customs tariff number	94054231
Country of origin	DE

Technical data

Notes

Note on application

Note on application	Only for industrial use

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area

Product properties

Product type	Enclosure light
Application	Control cabinet
Mounting position	any
Special properties	can be swiveled ±90° swivel range
	can be switched in series
	including mounting accessories
Socket type	No socket

Electrical properties

Maximum power dissipation for nominal condition	2 W

Supply: Module electronics

Connection method	M8 connector (snap-in)
Number of positions	3
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC
Power consumption	1.5 W

Connection data

Connection method	M8 connector (snap-in)

Signaling

Light properties

Source of light type	LED
Number of LEDs	5
Color temperature	5000 K
Color rendering index	75
Luminous flux	140 lm (Net luminous flux)
Illumination	max. 335 lx (50 cm distance)
	max. 85 lx (Distance of 1 m)
Ordinance	Delegated Regulation (EU) 2019/2015
Energy efficiency class	F (1 light source)
Note	This product contains an energy efficiency class F light source.

Dimensions

Dimensional drawing	
Width	23 mm
Height	38 mm
Length	250 mm

Material specifications

Color	traffic gray A RAL 7042
Material	Plastic
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 %

Mechanical test

Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	25g
Continuous shock in accordance with EN 60068-2-27/IEC 60068-2-27	10g

Standards and regulations

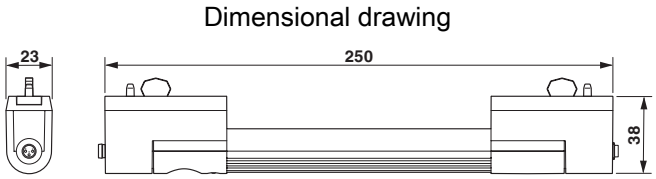
Protection class	III

Mounting

Mounting type	Clip mounting
Assembly note	Magnet attachment available as an accessory
	Screw fixings available as accessories
Mounting position	any

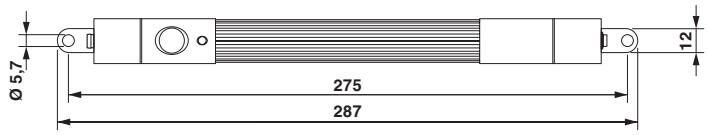
Drawings

Dimensional drawing



Dimensional drawing

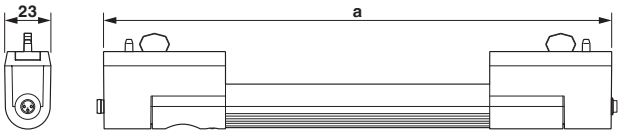
Dimensional drawing



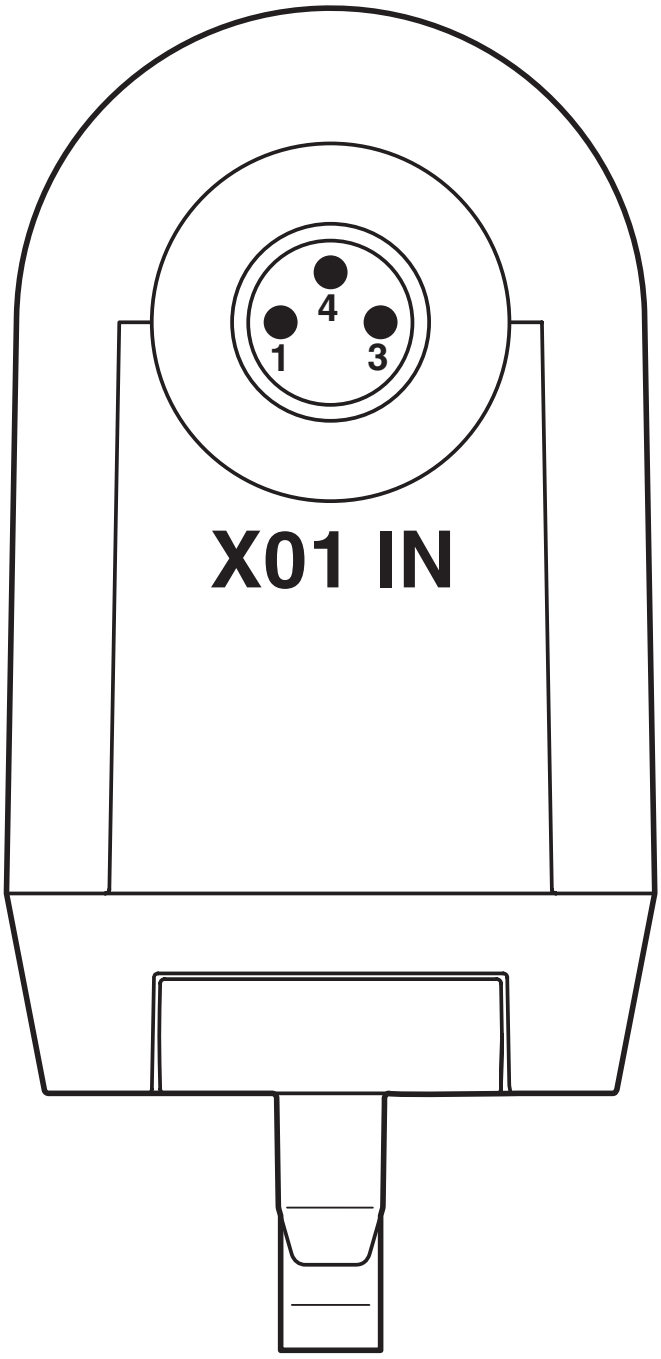


Dimensional drawing for screw mounting

Dimensional drawing

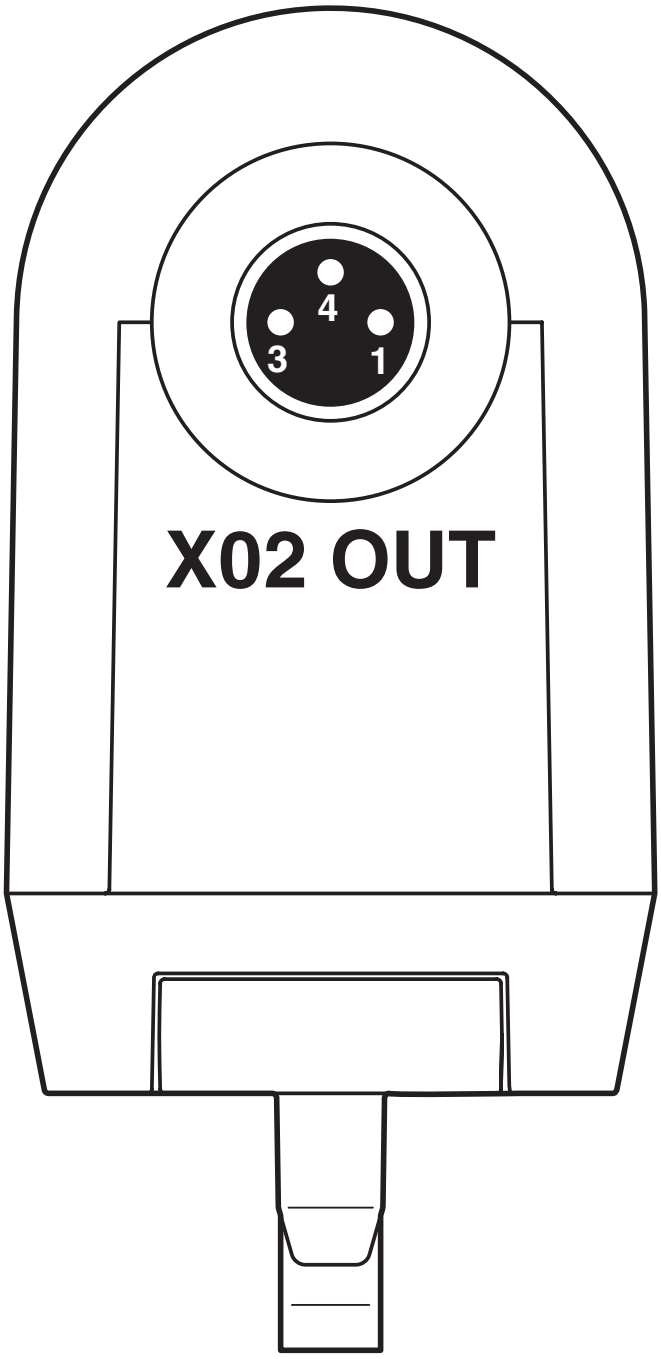


Connection diagram



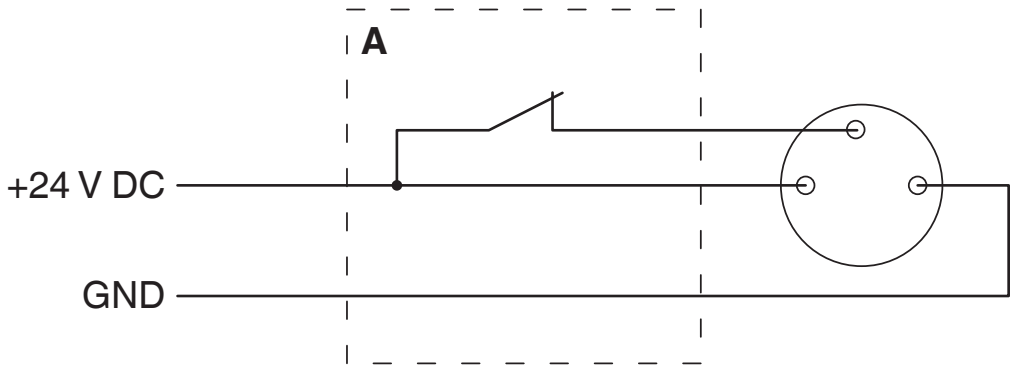
Connection of the supply voltage of a light

Connection diagram



Forwarding of the supply voltage with the series connection of lights

Connection diagram



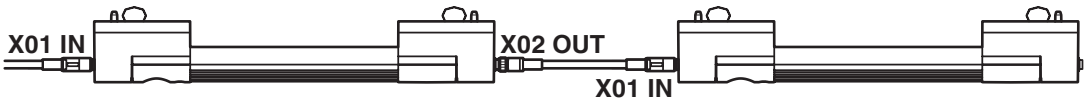
Connection of the light using a door position switch (A)

Schematic diagram



Connection of a light

Schematic diagram



Series connection of two lights

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2702221

EAC
Approval ID: TR_TS_D_12879-22

UL Listed
Approval ID: E362966

cUL Listed
Approval ID: E362966

Classifications

ECLASS

ECLASS-13.0	27182808
ECLASS-15.0	27182808

ETIM

ETIM 10.0	EC000321

UNSPSC

UNSPSC 21.0	32151500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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