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LED machine light - PLD M 360 W-50 200 - 2701689

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LED machine light, 24 V DC, Degree of protection IP67, Emission angle 50 °, Color temperature 5000 K, Length 200 mm, M12 connector, can be switched in series, Dimming, Flash mode, Resistant to coolants and lubricants, including mounting accessories

Product Description

The LED light is designed to provide illumination inside or on machinery. M12 sensor/actuator cables enable multiple lights to be connected one after the other and to be switched on and off via the light interface, dimmed continuously, and operated in flash mode. In addition, the integrated high-quality optics prevent glare for the machine operator.

Why buy this product

☑ Homogenous and glare-free lighting thanks to innovative optics

☑ Focused illumination, thanks to 50° emission angle

☑ Laminated safety glass enables use even in environments with potential mechanical strain

☑ Two PWM inputs for dimming and flash mode

☑ Error indication via digital output

☑ Protection against polarity reversal, excessively high supply voltage, and overtemperature

☑ Can be switched in series via sensor/actuator cables with SPEEDCON M12 rapid interlock system

☑ Particularly economical thanks to energy-efficient LED technology and an LED service life of at least 65,000 h

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356783316
Weight per Piece (excluding packing)	720.000 g
Custom tariff number	94054099
Country of origin	Germany

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Technical data

Dimensions

Width	60 mm
Height	35 mm
Length	200 mm
Note on dimensions	Length without M12 flush-type connector

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	95 % (non-condensing)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above mean sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above mean sea level)
Degree of protection	IP67

General

Net weight	735.7 g
Mounting type	Screw mounting

Power supply for module electronics

Connection method	M12 connector, (A-coded)
Number of positions	5
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 28.8 V DC
Current consumption	typ. 0.23 A (at 24 V DC)
Power consumption	typ. 5.5 W

Light properties

Source of light type	LED
Number of LEDs	4
Service life, lighting appliance	65,000 h
Light color	Neutral white
Color temperature	5000 K ±5 %
Color rendering index	Ra $\geq$ 80
Luminous flux	360 lm
Illumination	max. 2090 lx (50 cm distance)
Luminous intensity	max. 550 Cd
Average illumination	300 lx (1 m x 1 m measuring field with 50 cm distance)
Can be dimmed	Via PWM signal
Emission angle	50 °

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Standards and Regulations

Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 4.0	27110303
eCl@ss 4.1	27110303
eCl@ss 5.0	27110303
eCl@ss 5.1	27110303
eCl@ss 6.0	27110303
eCl@ss 7.0	27119010
eCl@ss 8.0	27119010
eCl@ss 9.0	27110345

ETIM

ETIM 3.0	EC000348
ETIM 4.0	EC000348
ETIM 5.0	EC000348

UNSPSC

UNSPSC 6.01	39111510
UNSPSC 7.0901	39111510
UNSPSC 11	39111510
UNSPSC 12.01	39111510
UNSPSC 13.2	39101601

Accessories

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Assembly element

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Accessories

Mounting brackets - PLD M-ME MB/90 - 2701878

Mounting bracket for PLD machine lights, 90° bracket, black (includes four screws for mounting the bracket on the PLD machine lights)

Mounting brackets - PLD M-ME MB - 2701879

Mounting bracket for PLD machine lights, swivel design, black (includes four screws for mounting the bracket on the PLD machine light)

Mounting plate - PLD M-ME AP - 2701880

Mounting plate for mounting the PLD machine lights on small machine parts, 100 x 80 mm, black (includes six screws for mounting the plate on the PLD machine lights)

Mounting plate - PLD M-ME MP - 2701881

Mounting plate for PLD machine lights, 63 x 40 mm, black (includes four screws for mounting the plate on the PLD machine lights (replacement item))

Sensor/actuator cable

Sensor/Actuator cable - SAC-5P- 3,0-PUR/FS SCO - 1536337

Sensor/Actuator cable, 5-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M12 SPEEDCON, A-coded, Cable length: 3 m

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Accessories

Sensor/Actuator cable - SAC-5P- 3,0-PUR/FR SCO - 1536450

Sensor/Actuator cable, 5-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket angled M12 SPEEDCON, A-coded, Cable length: 3 m

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Sensor/Actuator cable - SAC-5P-MS/ 0,6-PUR/FS SCO - 1519053

Sensor/Actuator cable, 5-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12 SPEEDCON, A-coded, on Socket straight M12 SPEEDCON, A-coded, Cable length: 0.6 m

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Sensor/Actuator cable - SAC-5P-MS/ 1,5-PUR/FS SCO - 1519066

Sensor/Actuator cable, 5-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12 SPEEDCON, A-coded, on Socket straight M12 SPEEDCON, A-coded, Cable length: 1.5 m

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Sensor/Actuator cable - SAC-5P-MS/ 3,0-PUR/FS SCO - 1519079

Sensor/Actuator cable, 5-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12 SPEEDCON, A-coded, on Socket straight M12 SPEEDCON, A-coded, Cable length: 3 m

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