Specifications

Eaton 135689



Catalog Number: 135689

Eaton Moeller® series E58 Retroflective sensing sensor, Sn=18m, 4L, 10-30VDC, dark, NPN, PNP, M30, metal, M12

General specifications

Product Name

Eaton Moeller® series E58 Retroreflective sensor

Catalog Number

135689

EAN

4015081324828

Product Length/Depth

165.1 mm

Product Height

44.45 mm

Product Width

165.1 mm

Product Weight

0.23 kg

Certifications

CSA-C22.2 No. 14
IEC/EN 60947-5-2
UL
UL 508
CSA File No.: UL report applies to both
US and Canada
UL Category Control No.: NRKH, NRKH7

CE
Certified by UL for use in Canada
UL File No.: E166051

Powering Business Worldwide

Product specifications

Type

Optical sensors

Electric connection type

Plug-in connection

Enclosure material

Metal

Enclosure type

Cuboid

Operating mode

Switching principle: Dark switching

Explosion safety category for dust

None

Explosion safety category for gas

None

Functions

Reflected-light beam
Short-circuit protection
Protection against wire breakage
For combination with reflector
Protection against polarity reversal

Voltage type

DC

Connection type

4-wire
Plug-in connection M12 x 1

Light type

Other

Degree of protection

NEMA 6P, 13
IP68

Interface type

Other

LED indicator

Status indication of Switching state: Red LED

Switch function type

Other

Resources

Catalogs

Product Range Catalog Sensors – products, basic information, applications

Declarations of conformity

DA-DC-00004657.pdf

DA-DC-00004652.pdf

Drawings

eaton-proximity-switches-e58-diffuse-reflective-sensor-dimensions-002.eps

eaton-proximity-switches-e58-diffuse-reflective-sensor-3d-drawing.eps

Installation instructions

IL05305003Z

Load current

Max. 100 mA (Ie)

Laser protection class

None

Shock resistance

100 g, Mechanical, Shock duration 3 ms

Optical surface material

Glass

Output current (mA) - max

100 mA

Output current at protected output - max

0 mA

Rated control supply voltage (Us) at AC, 50 Hz - max

0 V

Rated control supply voltage (Us) at AC, 50 Hz - min

0 V

Rated control supply voltage (Us) at AC, 60 Hz - max

0 V

Rated control supply voltage (Us) at AC, 60 Hz - min

0 V

Rated control supply voltage (Us) at DC - max

30 V

Rated control supply voltage (Us) at DC - min

10 V

Rated switching distance (Sn)

18000 mm

Reflector distance - min

0 mm

Sensor height

0 mm

Sensor length

111 mm

Switching distance - max

0 mm

Switching voltage of OSSD at state high

30 V

Transmission range of the safety field

0 m

Voltage rating - max

30 V

Safety type (IEC 61496-1)

1

Switching frequency

312 Hz

Sensing mode

Dark switching

Switching output type

PNP

Sensor material

Stainless steel

Wavelength of the sensor

0 nm

Width sensor

0 mm

Product category

E58 Harsh Duty Series

Response time

1.6 ms

Ambient operating temperature - max

55 °C

Ambient operating temperature - min

-40 °C

Diameter sensor

30 mm

Light dot size

0 mm²

Number of contact energized outputs with signalling function

0

Number of outputs (protected contact energized)

0

Number of outputs (protected semiconductor)

0

Number of outputs (semiconductor with signaling function)

2

Adjustment type

Other

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