Specifications

Eaton 135688



Catalog Number: 135688

Eaton Moeller® series E58 Retroflective sensing sensor, Sn=18m, 4L, 10-30VDC, dark, NPN, PNP, M30, metal, line 2m

General specifications

Product Name

Eaton Moeller® series E58 Retroreflective sensor

Catalog Number

135688

EAN

4015081324811

Product Length/Depth

165.1 mm

Product Height

44.45 mm

Product Width

165.1 mm

Product Weight

0.23 kg

Certifications

Certified by UL for use in Canada
CSA-C22.2 No. 14
CE
IEC/EN 60947-5-2
UL Category Control No.: NRKH, NRKH7

UL File No.: E166051
UL
CSA File No.: UL report applies to both US and Canada
UL 508

Powering Business Worldwide

Product specifications

Type

Optical sensors

Electric connection type

Cable

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

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

Voltage type

DC

Connection type

2 m connection cable
4-wire

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/NPN

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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