Specifications

Eaton 135687

Catalog Number: 135687

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



General specifications

Product Name
Eaton Moeller® series E58 Retroreflective sensor

Catalog Number
135687

EAN
4015081324804

Product Length/Depth
59.94 mm

Product Height
29.97 mm

Product Width
29.97 mm

Product Weight
0.18 kg

Certifications
CE
CSA-C22.2 No. 14
IEC/EN 60947-5-2
Certified by UL for use in Canada
UL File No.: E166051
UL Category Control No.: NRKH, NRKH7

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

Powering Business Worldwide

Product specifications

Type

Optical sensors

Features

Polarized light

Electric connection type

Connector M12

Enclosure material

Metal

Enclosure type

Cuboid

Operating mode

Switching principle: Light switching

Explosion safety category for dust

None

Explosion safety category for gas

None

Functions

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

Voltage type

DC

Connection type

Plug-in connection M12 x 1
4-wire

Light type

Other

Degree of protection

NEMA 6P, 13
IP68

Interface type

Other

LED indicator

Status indication of Switching state: Red LED

Resources

Catalogs

Product Range Catalog Sensors – products, basic information, applications

Declarations of conformity

DA-DC-00004652.pdf

DA-DC-00004657.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

Switch function type

Other

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)

10000 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

Light 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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