Specifications

Eaton 135720



Catalog Number: 135720

Eaton Moeller® series E65 Retroflective sensing sensor, Sn=3m, 4L, 10-30VDC, light, NPN, PNP, quad 40, insulated material, line 2m

General specifications

Product Name

Eaton Moeller® series E65 Retroreflective sensor

Catalog Number

135720

EAN

4015081325139

Product Length/Depth

139.7 mm

Product Height

139.7 mm

Product Width

38.1 mm

Product Weight

0.11 kg

Certifications

UL
CE
IEC/EN 60947-5-2
UL 508
UL File No.: E166051
UL Category Control No.: NRKH, NRKH7

CSA File No.: UL report applies to both US and Canada
CSA-C22.2 No. 14
Certified by UL for use in Canada

Catalog Notes

Yellow

Powering Business Worldwide

Product specifications

Type

Optical sensors

Features

Polarized light

Electric connection type

Cable

Enclosure material

Plastic

Enclosure type

Cuboid

Operating mode

Switching principle: Light switching

Explosion safety category for dust

None

Explosion safety category for gas

None

Functions

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

Voltage type

DC

Connection type

2 m connection cable
4-wire

Light type

Other

Degree of protection

IP68
NEMA 6P, 13

Interface type

Other

LED indicator

Status indication of Switching state: Red LED
Status indication of Operating voltage: Green LED

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-dimensions.eps

eaton-proximity-switches-dimensions-012.eps

eaton-proximity-switches-dimensions-011.eps

eaton-proximity-switches-3d-drawing.eps

Installation instructions

IL05305004Z

mCAD model

DA-CS-90_28290_006

DA-CD-90_28290_006

Switch function type

Other

Load current

Max. 100 mA (Ie)

Laser protection class

None

Shock resistance

50 g, Mechanical, Shock duration 10 ms

Optical surface material

Plastic

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)

3000 mm

Reflector distance - min

0 mm

Sensor height

43 mm

Sensor length

41 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

500 Hz

Sensing mode

Light switching

Switching output type

PNP/NPN

Sensor material

Insulated material

Wavelength of the sensor

660 nm

Width sensor

33 mm

Product category

E65 SM Series

Response time

1 ms

Ambient operating temperature - max

55 °C

Ambient operating temperature - min

-25 °C

Ambient storage temperature - max

70 °C

Ambient storage temperature - min

-25 °C

Diameter sensor

0 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

Operating temperature - max

55 °C

Operating temperature - min

-25 °C

Operational current (Ib) in the switched state at 24 V DC

20 A

Adjustment type

Other

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