

# Eaton 135645

Catalog Number: 135645

Eaton Moeller® series E58 Retroreflective sensing sensor, Sn=7600mm, 4L, 10-30VDC, NPN, PNP, M18, insulated material, M12

### General specifications



#### Product Name

Eaton Moeller® series E58  
Retroreflective sensor

#### Catalog Number

135645

#### EAN

4015081324385

#### Product Length/Depth

158.75 mm

#### Product Height

50.8 mm

#### Product Width

133.35 mm

#### Product Weight

0.32 kg

#### Certifications

IEC/EN 60947-5-2

CSA-C22.2 No. 14

UL

CSA File No.: 50513

UL Category Control No.: NRKH, NRKH7

UL File No.: E117028

CE

CSA

UL 508

CSA Class No.: 3211-07

## Product specifications

### Type

Optical sensors

### Features

Straight beam

Non-polarized

### Electric connection type

Connector M12

### Enclosure material

Plastic

### Enclosure type

Cylinder, screw-thread

### Operating mode

Switching principle: Adjustable bright/dark switching

### Explosion safety category for dust

None

### Explosion safety category for gas

None

### Functions

For combination with reflector

Protection against polarity reversal

Reflected-light beam

Short-circuit protection

### Voltage type

DC

### Connection type

4-wire

Plug-in connection M12 x 1

### Light type

Infrared light

### Degree of protection

NEMA 6

IP67

### 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-00004657.pdf

DA-DC-00004652.pdf

### Drawings

eaton-proximity-switches-dimensions-006.eps

eaton-proximity-switches-dimensions-002.eps

eaton-proximity-switches-3d-drawing-004.eps

### Installation instructions

IL05305002Z

### mCAD model

DA-CS-90\_28267\_106

DA-CD-90\_28267\_106

#### Switch function type

Programmable/configurable

#### Load current

Max. 250 mA (I<sub>e</sub>, NPN, 120 > 50°C)

Max. 100 mA (I<sub>e</sub>, PNP)

#### Laser protection class

None

#### Shock resistance

100 g, Mechanical, Shock duration 3 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)

7600 mm

#### Reflector distance - min

0 mm

#### Sensor height

0 mm

#### Sensor length

66 mm

#### Switching distance - max

0 mm

Switching voltage of OSSD at state high

0 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-/dark switching

Switching output type

PNP/NPN

Sensor material

Insulated material

Wavelength of the sensor

0 nm

Width sensor

0 mm

Product category

Comet Series

Response time

1 ms

Ambient operating temperature - max

70 °C

Ambient operating temperature - min

-40 °C

Diameter sensor

18 mm

Light dot size

0 mm<sup>2</sup>

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

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

30 A

Adjustment type

Manual adjustment



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