Specifications

# Eaton 135561

## Catalog Number: 135561

Eaton Moeller® series E58 Thru-beam photoelectric sensor, transmitter, Sn=6m, 4L, 10-30VDC, NPN, PNP, M18, insulated material, M12 11100RQD07



## General specifications

**Product Name**
Eaton Moeller® series E58 Thru-beam photoelectric sensor

**Catalog Number**
135561

**EAN**
4015081323548

**Product Length/Depth**
64.77 mm

**Product Height**
19.05 mm

**Product Width**
11.94 mm

**Product Weight**
0.09 kg

**Certifications**
UL 508
IEC/EN 60947-5-2
UL File No.: E117028
UL
UL Category Control No.: NRKH, NRKH7

CSA Class No.: 3211-07
CSA-C22.2 No. 14
CSA File No.: 50513
CE
CSA

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## Product specifications

### Type

Optical sensors

### Features

Right-angled beam

### Device type

Transmitter

### Electric connection type

Connector M12

### Fitted with:

Transmitter (for combination with detector)

### Enclosure material

Plastic

### Enclosure type

Cylinder, screw-thread

### Explosion safety category for dust

None

### Explosion safety category for gas

None

### Functions

Thru-light beam

Protection against polarity reversal

Short-circuit protection

### Voltage type

DC

### Wire size

0

### Connection type

Plug-in connection M12 x 1

4-wire

### Cable sheath material

Polyurethane (PUR)

### Light type

Polarity free red light

### Degree of protection

IP67

NEMA 4

## 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-002.eps

eaton-proximity-switches-dimensions-004.eps

eaton-proximity-switches-3d-drawing-003.eps

### Installation instructions

IL05305002Z

### mCAD model

DA-CS-90_28267_102

DA-CD-90_28267_102

Interface type

Other

LED indicator

Status indication of Operating voltage: Red LED

Switch function type

Other

Load current

Max. 250 mA (Ie, NPN, 120 > 50°C)

Max. 100 mA (Ie, PNP)

Laser protection class

None

Operation agent-safety class

Safety class 2

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)

6000 mm

Reflector distance - min

0 mm

Sensor height

0 mm

Sensor length

65 mm

Switching distance - max

6000 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

0 Hz

Sensing mode

Light-/dark switching

Switching output type

NPN

Sensor material

Insulated material

Wavelength of the sensor

0 nm

Width sensor

0 mm

Product category

Comet Series

Response time

7 ms

Ambient operating temperature - max

70 °C

Ambient operating temperature - min

-20 °C

Diameter sensor

18 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)

0

Opening angle

0 °

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

25 A

Adjustment type

Manual adjustment

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Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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