

# Eaton 135559

Catalog Number: 135559

Eaton Moeller® series E58 Thru-beam photoelectric sensor, transmitter, Sn=6m, 4L, 10-30VDC, light/dark, NPN, PNP, M18, insulated material 11100R6517

## General specifications



Product Name	Catalog Number
Eaton Moeller® series E58 Thru-beam photoelectric sensor	135559
	EAN
	4015081323524
Product Length/Depth	Product Height
38.1 mm	38.1 mm
Product Width	Product Weight
38.1 mm	0.23 kg

- Certifications
- CSA Class No.: 3211-07
  - CSA File No.: 50513
  - UL File No.: E117028
  - UL Category Control No.: NRKH, NRKH7
  
  - UL 508
  - CSA-C22.2 No. 14
  - IEC/EN 60947-5-2
  - UL
  - CE
  - CSA

## Product specifications

### Type

Optical sensors

### Features

Right-angled beam

### Device type

Transmitter

### Electric connection type

Cable

### 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

Short-circuit protection

Protection against polarity reversal

### Voltage type

DC

### Wire size

0

### Connection type

4-wire

2 m connection cable

### Cable sheath material

Polyurethane (PUR)

### Light type

Polarity free red light

### Degree of protection

NEMA 1

IP67

## 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\_002

DA-CD-90\_28267\_002

#### Interface type

Other

#### LED indicator

Status indication of Operating voltage: Red LED

#### Switch function type

Other

#### 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

#### 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

PNP

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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