

# Eaton 135719

Catalog Number: 135719

Eaton Moeller® series E65 Retroreflective sensing sensor, Sn=3m, 4L, 10-30VDC, dark, NPN, PNP, quad 40, insulated material, M12

General specifications



Product Name	Catalog Number
Eaton Moeller® series E65 Retroreflective sensor	135719
	EAN 4015081325122
Product Length/Depth	Product Height
139.7 mm	139.7 mm
Product Width	Product Weight
38.1 mm	0.11 kg
Certifications	Catalog Notes
UL Category Control No.: NRKH, NRKH7 Yellow	

UL 508  
CSA-C22.2 No. 14  
IEC/EN 60947-5-2  
UL File No.: E166051  
CE  
CSA File No.: UL report applies to both  
US and Canada  
UL  
Certified by UL for use in Canada

## Product specifications

### Type

Optical sensors

### Features

Polarized light

### Electric connection type

Connector M12

### Enclosure material

Plastic

### Enclosure type

Cuboid

### Operating mode

Switching principle: Dark switching

### Explosion safety category for dust

None

### Explosion safety category for gas

None

### Functions

Short-circuit protection

For combination with reflector

Reflected-light beam

Protection against polarity reversal

Protection against wire breakage

### Voltage type

DC

### Connection type

4-wire

Plug-in connection M12 x 1

### Light type

Other

### Degree of protection

IP68

NEMA 6P, 13

### Interface type

Other

### LED indicator

Status indication of Operating voltage: Green LED

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-e65-diffuse-reflective-sensor-dimensions.eps

eaton-proximity-switches-dimensions-012.eps

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

### Installation instructions

IL05305004Z

### mCAD model

DA-CS-90\_28290\_008

DA-CD-90\_28290\_008

#### Switch function type

Other

#### Load current

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

#### 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 (U<sub>s</sub>) at AC, 50 Hz - max

0 V

#### Rated control supply voltage (U<sub>s</sub>) at AC, 50 Hz - min

0 V

#### Rated control supply voltage (U<sub>s</sub>) at AC, 60 Hz - max

0 V

#### Rated control supply voltage (U<sub>s</sub>) at AC, 60 Hz - min

0 V

#### Rated control supply voltage (U<sub>s</sub>) at DC - max

30 V

#### Rated control supply voltage (U<sub>s</sub>) at DC - min

10 V

#### Rated switching distance (S<sub>n</sub>)

3000 mm

#### Reflector distance - min

0 mm

#### Sensor height

55 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

Dark switching

Switching output type

PNP

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 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

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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