

# Eaton 135675

Catalog Number: 135675

Eaton Moeller® series E58 Diffuse reflective sensor, Sn=150mm, 2L, 18-50VDC, light, M30, metal, M12

### General specifications



Product Name	Catalog Number
Eaton Moeller® series E58 Diffuse reflective sensor	135675

EAN  
4015081324682

Product Length/Depth  
228.6 mm

Product Height  
44.45 mm

Product Width  
152.4 mm

Product Weight  
0.45 kg

### Certifications

UL  
CSA-C22.2 No. 14  
Certified by UL for use in Canada  
UL File No.: E166051  
CE  
IEC/EN 60947-5-2  
CSA File No.: UL report applies to both  
US and Canada  
UL Category Control No.: NRKH, NRKH7

UL 508

## Product specifications

### Type

Optical sensors

### Electric connection type

Connector M12

### Fitted with:

Background suppression (Perfect Prox)

### Enclosure material

Metal

### Enclosure type

Cylinder, screw-thread

### Operating mode

Switching principle: Light switching

### Explosion safety category for dust

None

### Explosion safety category for gas

None

### Functions

Protection against wire breakage

Protection against polarity reversal

Short-circuit protection

Reflected-light beam

### Voltage type

DC

### Wire size

0

### Connection type

Plug-in connection M12 x 1

2-wire

### Cable sheath material

Other

### Light type

Other

### Degree of protection

NEMA 6

IP68

### Interface type

## 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-e58-diffuse-reflective-sensor-dimensions.eps

eaton-proximity-switches-e58-diffuse-reflective-sensor-3d-drawing.eps

### Installation instructions

IL05305003Z

Other

#### LED indicator

Status indication of Switching state: Red LED

#### Switch function type

Other

#### Load current

Max. 300 mA (I<sub>e</sub>)

#### Laser protection class

None

#### Operation agent-safety class

Safety class 2

#### Shock resistance

100 g, Mechanical, Shock duration 3 ms

#### Optical surface material

Glass

#### 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>)

150 mm

#### Reflector distance - min

0 mm

#### Sensor height

0 mm

Sensor length

111 mm

Switching distance - max

165 mm

Switching voltage of OSSD at state high

30 V

Transmission range of the safety field

0 m

Voltage rating - max

50 V

Safety type (IEC 61496-1)

1

Switching frequency

312 Hz

Sensing mode

Light switching

Switching output type

PNP/NPN

Sensor material

Stainless steel

Triangulation

Background fade-out

Wavelength of the sensor

660 nm

Width sensor

0 mm

Product category

E58 Harsh Duty Series

Response time

1.6 ms

Adjustment range - max

150 mm

Adjustment range - min

0 mm

Ambient operating temperature - max

55 °C

Ambient operating temperature - min

-40 °C

Diameter sensor

30 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 distance - max

0 mm

Operating distance - min

0 mm

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

1.7 A

Adjustment type

Other



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