Specifications

# Eaton 100541

## Catalog Number: 100541

Eaton Moeller® series E67 Proximity switch, optical, long range 70cm, 18-30VDC, NPN, PNP, dark, micro




### General specifications

**Product Name**
Eaton Moeller® series E67 Proximity switch

**Catalog Number**
100541

**EAN**
4015081900145

**Product Length/Depth**
160 mm

**Product Height**
57 mm

**Product Width**
42 mm

**Product Weight**
0.21 kg

**Certifications**
CE

Powering Business Worldwide

## Product specifications

### Type

Optical sensors

### Electric connection type

Other

### Fitted with:

Background suppression (Perfect Prox)

### 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

Reflected-light beam

### Voltage type

DC

### Wire size

0

### Connection type

4-wire

Plug-in connection M12 x 1

### Cable sheath material

Other

### Light type

Infrared light

### Degree of protection

IP67

NEMA Other

### Interface type

Other

### LED indicator

Status indication of Switching state: Red LED

## Resources

### Brochures

eaton-sensors-brochure-br053001en-en-us.pdf

### Catalogs

Product Range Catalog Sensors – products, basic information, applications

### Declarations of conformity

DA-DC-00004657.pdf

DA-DC-00004652.pdf

### Drawings

eaton-proximity-switches-e67-proximity-switch-dimensions.eps

eaton-proximity-switches-e67-proximity-switch-3d-drawing.eps

### Installation instructions

IL05305005Z

### mCAD model

DA-CS-90_28291_001

DA-CD-90_28291_001

Status indication of Operating voltage: Green LED

### Switch function type

Other

### Load current

Max. 100 mA (Ie)

### Laser protection class

None

### Operation agent-safety class

Safety class 2

### Shock resistance

30 g, Mechanical, Shock duration 6 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

18 V

### Rated switching distance (Sn)

700 mm

### Reflector distance - min

0 mm

### Sensor height

59 mm

### Sensor length

166 mm

Switching distance - max

1000 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

0 Hz

Sensing mode

Dark switching

Switching output type

PNP

Vibration resistance

10 Hz - 2 kHz, 10 g

Triangulation

Background fade-out

Wavelength of the sensor

0 nm

Width sensor

43 mm

Product category

E67 Long Range Series

Response time

15 ms

Adjustment range - max

700 mm

Adjustment range - min

0 mm

Ambient operating temperature - max

55 °C

Ambient operating temperature - min

-35 °C

Ambient storage temperature - max

70 °C

Ambient storage temperature - min

-40 °C

Diameter sensor

0 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

Operating temperature - max

55 °C

Operating temperature - min

-35 °C

Adjustment type

Other

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