Specifications

Eaton 100543

Catalog Number: 100543

Eaton Moeller® series E67 Proximity switch, optical, long range 80cm, 18-30VDC, NPN, PNP, dark, micro



General specifications

Product Name
Eaton Moeller® series E67 Proximity switch

Catalog Number
100543

EAN
4015081900169

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

Plug-in connection M12 x 1

4-wire

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)

800 mm

Reflector distance - min

0 mm

Sensor height

59 mm

Sensor length

166 mm

Switching distance - max

1100 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

NPN

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

800 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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