Specifications

Eaton 135589

Catalog Number: 135589

Eaton Moeller® series E58 Diffuse reflective sensor, Sn=100mm, 4L, 10-30VDC, NPN, PNP, M18, insulated material, M12
13101AQD07



General specifications

Product Name
Eaton Moeller® series E58 Diffuse reflective sensor

Catalog Number
135589

EAN
4015081323821

Product Length/Depth
127 mm

Product Height
50.8 mm

Product Width
152.4 mm

Product Weight
0.3 kg

Certifications
UL 508
CSA-C22.2 No. 14
CSA File No.: 50513
CSA
UL Category Control No.: NRKH, NRKH7

CE
UL File No.: E117028
UL
CSA Class No.: 3211-07
IEC/EN 60947-5-2

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Product specifications

Type

Optical sensors

Features

Straight beam

Electric connection type

Plug-in connection

Fitted with:

Background suppression (Perfect Prox)

Enclosure material

Plastic

Enclosure type

Cylinder, screw-thread

Operating mode

Switching principle: Adjustable bright/dark switching

Explosion safety category for dust

None

Explosion safety category for gas

None

Functions

Reflected-light beam
Short-circuit protection
Protection against polarity reversal

Voltage type

DC

Wire size

22

Connection type

Plug-in connection M12 x 1
4-wire

Cable sheath material

Other

Light type

Infrared light

Degree of protection

NEMA 6
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-007.eps

eaton-proximity-switches-3d-drawing-004.eps

Installation instructions

IL05305002Z

mCAD model

DA-CS-90_28267_107

DA-CD-90_28267_107

Interface type

Other

LED indicator

Status indication of Switching state: Red LED

Switch function type

Programmable/configurable

Load current

Max. 250 mA (Ie, NPN, 120 > 50°C)

Max. 100 mA (Ie, 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

250 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)

100 mm

Reflector distance - min

0 mm

Sensor height

0 mm

Sensor length

66 mm

Switching distance - max

100 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

Light-/dark switching

Switching output type

PNP

Sensor material

Insulated material

Triangulation

Background fade-out

Wavelength of the sensor

0 nm

Width sensor

0 mm

Product category

Comet Series

Response time

1 ms

Adjustment range - max

0 mm

Adjustment range - min

0 mm

Ambient operating temperature - max

70 °C

Ambient operating temperature - min

-40 °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)

2

Operating distance - max

0 mm

Operating distance - min

0 mm

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

30 A

Adjustment type

Other

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