Specifications

# Eaton 135887



## Catalog Number: 135887

Eaton Moeller® series E57 Proximity switch, E57 Global Series, 1 N/O, 2-wire, 20 - 250 V AC, M12 x 1 mm, Sn= 4 mm, Non-flush, Metal, 2 m connection cable

### General specifications

**Product Name**
Eaton Moeller® series E57 Proximity switch

**Catalog Number**
135887

**EAN**
4015081326808

**Product Length/Depth**
165.1 mm

**Product Height**
31.75 mm

**Product Width**
139.7 mm

**Product Weight**
0.28 kg

**Certifications**
CE
CSA File No.: 224447
CSA-C22.2 No. 14
UL File No.: CSA report applies to both US and Canada
CSA
UL 508
IEC/EN 60947-5-2
CSA Class No.: 4652-04 / 4652-84

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## Product specifications

**Type**

Inductive sensor

**Electric connection type**

Cable

**Enclosure material finishing**

Other

**Actuation type**

Metallic Target

**Enclosure material**

Metal

**Enclosure type**

Cylinder, screw-thread

**Category (EN 954-1)**

B

**Explosion safety category for dust**

None

**Explosion safety category for gas**

None

**Safety performance level (EN ISO 13849-1)**

None

**SIL (IEC 61508)**

None

**Ambient operating temperature - max**

70 °C

**Ambient operating temperature - min**

-25 °C

**Diameter sensor**

12 mm

**Number of contact energized outputs with signalling function**

0

**Number of contacts (normally open contacts)**

1

**Number of outputs (protected contact energized)**

0

**Number of outputs (protected semiconductor)**

## Resources

**Brochures**

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

**Catalogs**

Product Range Catalog Sensors – products, basic information, applications

**Declarations of conformity**

DA-DC-00004651.pdf

DA-DC-00004656.pdf

**Drawings**

eaton-proximity-switches-e57-proximity-switch-dimensions-013.eps

eaton-proximity-switches-e57-proximity-switch-3d-drawing-002.eps

**eCAD model**

DA-CE-ETN.E57-12GU04-A

**Installation instructions**

IL05301002Z

**Multimedia**

We make what matters

0

Number of outputs (semiconductor with signaling function)

1

Output current at protected output - max

0 mA

Rated control supply voltage (Us) at AC, 50 Hz - max

250 V

Voltage type

AC

Mounting method

Non-flush mounting

Material

Metal

Connection type

2-wire

2 m connection cable

Installation type

Not flat

Degree of protection

IP67

IP69

NEMA Other

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Normally open contact

Load current

5 - 200 mA (Ie)

Residual current

1.8 mA (through the load in the blocked state at 230 V AC and 24 V DC)

Shock resistance

30 g, Mechanical, Shock duration 11 ms

Switching frequency

25 Hz

Voltage rating - max

250 V

Width sensor

0 mm

Product category

E57 Global Series

Switching output type

Two-wire

Temperature drift of sn

10 %

Rated control supply voltage (Us) at AC, 50 Hz - min

20 V

Rated control supply voltage (Us) at AC, 60 Hz - max

250 V

Rated control supply voltage (Us) at AC, 60 Hz - min

20 V

Rated control supply voltage (Us) at DC - max

0 V

Rated control supply voltage (Us) at DC - min

0 V

Rated switching distance (Sn) - max

4 mm

Repeatability

3 %

Sensor height

0 mm

Sensor length

60 mm

Supply voltage - max

250 V

Supply voltage - min

20 V

Switching hysteresis of Sn

15 %

Voltage drop (Ud)

8 V




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