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Specifications

# Eaton 135901



## Catalog Number: 135901

Eaton Moeller® series E57 Proximity switch, E57 Premium+ Series, 1 NC, 3-wire, 6 - 48 V DC, M12 x 1 mm, Sn= 6 mm, Semi-shielded, NPN, Stainless steel, 2 m connection cable

### General specifications

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

**Catalog Number**
135901

**EAN**
4015081326945

**Product Length/Depth**
152.4 mm

**Product Height**
50.8 mm

**Product Width**
127 mm

**Product Weight**
0.09 kg

**Certifications**
CSA Class No.: none
None
IEC/EN 60947-5-2
CSA File No.: none

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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 closed 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-proximity-switch-dimensions-045.eps

1360DRW-92

**eCAD model**

DA-CE-ETN.E57-12LE06-C1

**Installation instructions**

IL05301003Z

**Multimedia**

We make what matters

0

Number of outputs (semiconductor with signaling function)

1

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

10 A

Output current at protected output - max

0 mA

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

0 V

Voltage type

DC

Mounting method

Semi-shielded mounting

Material

Stainless steel

Connection type

2 m connection cable

3-wire

Installation type

Not flat

Degree of protection

IP67

NEMA 4X, 6, 13

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Breaker contact

Load current

Max. 500 mA (Ie, at 6 - 30 V DC)

Residual current

0.1 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

800 Hz

Voltage rating - max

48 V

Width sensor

0 mm

Product category

E57 Premium+ Series

Switching output type

NPN

Temperature drift of sn

10 %

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

48 V

Rated control supply voltage (Us) at DC - min

6 V

Rated switching distance (Sn) - max

6 mm

Repeatability

3 %

Sensor height

0 mm

Sensor length

72.8 mm

Supply voltage - max

48 V

Supply voltage - min

6 V

Switching hysteresis of Sn

15 %

Voltage drop (Ud)

2.5 V

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