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Specifications

# Eaton 136045



## Catalog Number: 136045

Eaton Moeller® series E57 Proximity switch, E57 Premium+ Series, 1 NC, 2-wire, 20 - 250 V AC, M18 x 1 mm, Sn= 5 mm, Flush, Stainless steel, Plug-in connection M12 x 1

### General specifications

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

**Catalog Number**
136045

**EAN**
4015081328383

**Product Length/Depth**
129.54 mm

**Product Height**
53.34 mm

**Product Width**
55.88 mm

**Product Weight**
0.14 kg

**Certifications**
CSA
UL File No.: E166051
CE
CSA File No.: 50513
IEC/EN 60947-5-2
UL Category Control No.: NRKH, NRKH7

UL 508
CSA Class No.: 3211-03
UL
CSA-C22.2 No. 14

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## Product specifications

**Type**

Inductive sensor

**Electric connection type**

Connector M12

**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**

18 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-00004656.pdf

DA-DC-00004651.pdf

**Drawings**

eaton-proximity-switches-e57-proximity-switch-dimensions-030.eps

eaton-proximity-switches-e57-proximity-switch-3d-drawing-003.eps

**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

250 V

Voltage type

AC

Mounting method

Flush mounting

Material

Stainless steel

Connection type

Plug-in connection M12 x 1

2-wire

Installation type

Concise

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

1 - 500 mA (Ie, at 25 °C)

1 - 250 mA (Ie, 70 °C)

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

20 Hz

Voltage rating - max

250 V

Width sensor

0 mm

Product category

E57 Premium+ 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

5 mm

Repeatability

3 %

Sensor height

0 mm

Sensor length

69 mm

Supply voltage - max

250 V

Supply voltage - min

20 V

Switching hysteresis of Sn

20 %

Voltage drop (Ud)

2.5 V

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