Specifications

# Eaton 135832



## Catalog Number: 135832

Eaton Moeller® series E55 Proximity switch, inductive, 1N/O, Sn=10mm, 3L, 10-30VDC, PNP, M30, insulated material, line 2m

### General specifications

**Product Name**
Eaton Moeller® series E55 Proximity switch

**Catalog Number**
135832

**EAN**
4015081326259

**Product Length/Depth**
154.94 mm

**Product Height**
50.8 mm

**Product Width**
129.54 mm

**Product Weight**
0.2 kg

**Certifications**
IEC/EN 60947-5-2
CE

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## Product specifications

**Type**

Inductive sensor

**Electric connection type**

Cable

**Enclosure material finishing**

Other

**Actuation type**

Metallic Target

**Enclosure material**

Plastic

**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**

30 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

**Catalogs**

Product Range Catalog Sensors – products, basic information, applications

**Declarations of conformity**

DA-DC-00004651.pdf

DA-DC-00004656.pdf

**Drawings**

eaton-proximity-switches-e55-proximity-switch-dimensions-003.eps

131I090

**Installation instructions**

IL05301005Z

**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

0 V

Functions

Protection against polarity reversal

Short-circuit protection

Voltage type

DC

Mounting method

Flush mounting

Material

Insulated material

Connection type

2 m connection cable

3-wire

Installation type

Concise

Degree of protection

IP66

NEMA 4X, 13

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Normally open contact

Load current

Max. 200 mA (Ie)

Residual ripple

10 % ($U_e$)

Shock resistance

30 g, Mechanical, Shock duration 11 ms

Supply frequency

50 Hz, Input, min. Range

60 Hz, Input, max. Range

Switching frequency

300 Hz

Voltage rating - max

30 V

Width sensor

0 mm

Product category

E55 Limit Switch Style Series

Switching output type

PNP

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

30 V

Rated control supply voltage (Us) at DC - min

10 V

Rated switching distance (Sn) - max

10 mm

Repeatability

10 %

Sensor height

0 mm

Sensor length

80 mm

Supply voltage - max

30 V

Supply voltage - min

10 V

Switching hysteresis of Sn

20 %

Voltage drop (Ud)

8 V

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