Specifications

# Eaton 135841



## Catalog Number: 135841

Eaton Moeller® series E55 Proximity switch, inductive, 1 N/C, Sn=5mm, 3L, 10-30VDC, NPN, M12, insulated material, line 2m

### General specifications

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

**Catalog Number**
135841

**EAN**
4015081326341

**Product Length/Depth**
165.1 mm

**Product Height**
12.7 mm

**Product Width**
139.7 mm

**Product Weight**
0.14 kg

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

Powering Business Worldwide

## 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

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

### 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-002.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

Short-circuit protection

Protection against polarity reversal

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

Breaker contact

Load current

Max. 200 mA (Ie)

Residual ripple

10 % ($U_e$)

Shock resistance

30 g, Mechanical, Shock duration 11 ms

Supply frequency

60 Hz, Input, max. Range

50 Hz, Input, min. Range

Switching frequency

1000 Hz

Voltage rating - max

30 V

Width sensor

0 mm

Product category

E55 Limit Switch Style 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

30 V

Rated control supply voltage (Us) at DC - min

10 V

Rated switching distance (Sn) - max

5 mm

Repeatability

10 %

Sensor height

0 mm

Sensor length

55 mm

Supply voltage - max

30 V

Supply voltage - min

10 V

Switching hysteresis of Sn

20 %

Voltage drop (Ud)

8 V

Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Eaton.com/socialmedia