Specifications

Eaton 135824



Catalog Number: 135824

Eaton Moeller® series E55 Proximity switch, inductive, 1N/O, Sn=5mm, 3L, 10-30VDC, NPN, M18, insulated material, line 2m

General specifications

Product Name
Eaton Moeller® series E55 Proximity switch

Catalog Number
135824

EAN
4015081326174

Product Length/Depth
152.4 mm

Product Height
44.45 mm

Product Width
152.4 mm

Product Weight
0.23 kg

Certifications
IEC/EN 60947-5-2
CE

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 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-00004656.pdf

DA-DC-00004651.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

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

3 A

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

3-wire

2 m connection cable

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

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

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