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Specifications

Eaton 135816



Catalog Number: 135816

Eaton Moeller® series E55 Proximity switch, inductive, 1N/O, Sn=2mm, 2L, 20-250VAC, M12, insulated material, line 2m

General specifications

Product Name
Eaton Moeller® series E55 Proximity switch

Catalog Number
135816

EAN
4015081326099

Product Length/Depth
165.1 mm

Product Height
31.75 mm

Product Width
139.7 mm

Product Weight
0.28 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
12 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.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

250 V

Functions

Protection against polarity reversal

Short-circuit protection

Voltage type

AC

Mounting method

Flush mounting

Material

Insulated material

Connection type

2-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. 150 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

25 Hz

Voltage rating - max

250 V

Width sensor

0 mm

Product category

E55 Limit Switch Style 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

2 mm

Repeatability

10 %

Sensor height

0 mm

Sensor length

55 mm

Supply voltage - max

250 V

Supply voltage - min

20 V

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Switching hysteresis of Sn

20 %

Voltage drop (Ud)

10 V

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