Specifications

Eaton 135813

Catalog Number: 135813

Eaton Moeller® series E55 Proximity switch, inductive, 1N/O/1N/C, Sn=20mm, 2L, 35-250VAC, quad.40, insulated material, screw connection



General specifications

Product Name
Eaton Moeller® series E55 Proximity switch

Catalog Number
135813

EAN
4015081326068

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

Clamp

Enclosure material finishing

Other

Actuation type

Metallic Target

Enclosure material

Plastic

Enclosure type

Cuboid

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

0 mm

Number of contact energized outputs with signalling function

0

Number of contacts (programmable)

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-inductive-sensor-e55-proximity-switch-dimensions.eps

eaton-proximity-switches-e55-proximity-switch-3d-drawing.eps

Installation instructions

IL05301006Z

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
Protection against wire breakage

Voltage type

AC

Mounting method

Non-flush mounting

Material

Insulated material

Connection type

2-wire
Screw terminal

Installation type

Not flat

Degree of protection

IP67
NEMA 4X, 6, 13

Interface type

None

LED indicator

Status indication of Operating voltage: Green LED
Status indication of Switching state: Red LED

Switch function type

Programmable/configurable

Load current

Max. 400 mA (Ie)

Residual current

1.8 mA (through the load in the blocked state at 230 V AC and 24 V DC)

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

25 Hz

Voltage rating - max

250 V

Width sensor

40 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

35 V

Rated control supply voltage (Us) at AC, 60 Hz - max

250 V

Rated control supply voltage (Us) at AC, 60 Hz - min

35 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

20 mm

Repeatability

10 %

Sensor height

40 mm

Sensor length

118 mm

Supply voltage - max

250 V

Supply voltage - min

35 V

Switching hysteresis of Sn

20 %

Voltage drop (Ud)

8 V

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