

Eaton 135817

Catalog Number: 135817

Eaton Moeller® series E55 Proximity switch, inductive, 1N/O, Sn=4mm, 2L, 20-250VAC, M12, insulated material, line 2m

General specifications



Product Name	Catalog Number
Eaton Moeller® series E55 Proximity switch	135817
	EAN
	4015081326105
Product Length/Depth	Product Height
165.1 mm	31.75 mm
Product Width	Product Weight
139.7 mm	0.28 kg
Certifications	
IEC/EN 60947-5-2	
CE	

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-00004656.pdf

DA-DC-00004651.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 (I_b) in the switched state at 24 V DC

3 A

Output current at protected output - max

0 mA

Rated control supply voltage (U_s) at AC, 50 Hz - max

250 V

Functions

Protection against polarity reversal

Short-circuit protection

Voltage type

AC

Mounting method

Non-flush mounting

Material

Insulated material

Connection type

2-wire

2 m connection cable

Installation type

Not flat

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 (I_e)

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

4 mm

Repeatability

10 %

Sensor height

0 mm

Sensor length

55 mm

Supply voltage - max

250 V

Supply voltage - min

20 V

Switching hysteresis of Sn

20 %

Voltage drop (Ud)

10 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