Specifications

Eaton 135896



Catalog Number: 135896

Eaton Moeller® series E57 Proximity switch, E57 Premium+ Series, 1 N/O, 3-wire, 6 - 48 V DC, M12 x 1 mm, Sn= 6 mm, Semi-shielded, PNP, Stainless steel, 2 m connection cable

General specifications

Product Name
Eaton Moeller® series E57 Proximity switch

Catalog Number
135896

EAN
4015081326891

Product Length/Depth
127 mm

Product Height
154.94 mm

Product Width
50.8 mm

Product Weight
0.11 kg

Certifications
CSA File No.: none
IEC/EN 60947-5-2
CSA Class No.: none
None

Powering Business Worldwide

Product specifications

Type

Inductive sensor

Electric connection type

Cable

Enclosure material finishing

Other

Actuation type

Metallic Target

Enclosure material

Metal

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

Brochures

eaton-sensors-brochure-br053001en-en-us.pdf

Catalogs

Product Range Catalog Sensors – products, basic information, applications

Declarations of conformity

DA-DC-00004651.pdf

DA-DC-00004656.pdf

Drawings

eaton-proximity-switches-proximity-switch-dimensions-045.eps

1360DRW-92

eCAD model

DA-CE-ETN.E57-12LE06-B

Installation instructions

IL05301003Z

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

10 A

Output current at protected output - max

0 mA

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

0 V

Voltage type

DC

Mounting method

Semi-shielded mounting

Material

Stainless steel

Connection type

3-wire

2 m connection cable

Installation type

Not flat

Degree of protection

IP67

NEMA 4X, 6, 13

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Normally open contact

Load current

Max. 500 mA (Ie, at 6 - 30 V DC)

Residual current

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

Shock resistance

30 g, Mechanical, Shock duration 11 ms

Switching frequency

800 Hz

Voltage rating - max

48 V

Width sensor

0 mm

Product category

E57 Premium+ Series

Switching output type

PNP

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

48 V

Rated control supply voltage (Us) at DC - min

6 V

Rated switching distance (Sn) - max

6 mm

Repeatability

3 %

Sensor height

0 mm

Sensor length

72.8 mm

Supply voltage - max

48 V

Supply voltage - min

6 V

Switching hysteresis of Sn

15 %

Voltage drop (Ud)

2.5 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