Specifications

Eaton 135973



Catalog Number: 135973

Eaton Moeller® series E57 Proximity switch, E57 Global Series, 1 N/O, 2-wire, 10 - 30 V DC, M30 x 1.5 mm, Sn= 10 mm, Flush, NPN/PNP, Metal, 2 m connection cable

General specifications

Product Name
Eaton Moeller® series E57 Proximity switch

Catalog Number
135973

EAN
4015081327669

Product Length/Depth
165.1 mm

Product Height
12.7 mm

Product Width
139.7 mm

Product Weight
0.36 kg

Certifications
IEC/EN 60947-5-2
CE
CSA
CSA Class No.: 4652-04 / 4652-84
CSA-C22.2 No. 14
UL 508
CSA File No.: 224447
UL File No.: CSA report applies to both US and Canada

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

30 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-00004656.pdf

DA-DC-00004651.pdf

Drawings

131I090

eCAD model

DA-CE-ETN.E57-30GS10-D

Installation instructions

IL05301002Z

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

Flush mounting

Material

Metal

Connection type

2-wire

2 m connection cable

Installation type

Concise

Degree of protection

IP67

IP69

NEMA Other

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Normally open contact

Load current

3 - 100 mA (Ie)

Residual current

0.8 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

Switching frequency

500 Hz

Voltage rating - max

30 V

Width sensor

0 mm

Product category

E57 Global Series

Switching output type

PNP/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

10 mm

Repeatability

2 %

Sensor height

0 mm

Sensor length

55 mm

Supply voltage - max

30 V

Supply voltage - min

10 V

Switching hysteresis of Sn

15 %

Voltage drop (Ud)

1.5 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