Specifications

Eaton 135962



Catalog Number: 135962

Eaton Moeller® series E57 Proximity switch, E57 Global Series, 1 NC, 2-wire, 10 - 30 V DC, M30 x 1.5 mm, Sn= 25 mm, Non-flush, NPN/PNP, Metal, 2 m connection cable

General specifications

Product Name
Eaton Moeller® series E57 Proximity switch

Catalog Number
135962

EAN
4015081327553

Product Length/Depth
165.1 mm

Product Height
31.75 mm

Product Width
139.7 mm

Product Weight
0.28 kg

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

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
60 °C

Ambient operating temperature - min
0 °C

Diameter sensor
30 mm

Number of contact energized outputs with signalling function
0

Number of contacts (normally closed 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-035.eps

eaton-proximity-switches-e57-proximity-switch-3d-drawing-004.eps

eCAD model
DA-CE-ETN.E57-30GE25-D1

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

Non-flush mounting

Material

Metal

Connection type

2 m connection cable

2-wire

Installation type

Not flat

Degree of protection

IP67

IP69

NEMA Other

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Breaker 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

25 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)

6 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