Specifications

Eaton 136033



Catalog Number: 136033

Eaton Moeller® series E57 Proximity switch, E57 Premium+ Series, 1 NC, 2-wire, 20 - 250 V AC, M12 x 1 mm, Sn= 2 mm, Flush, Stainless steel, Plug-in connection M12 x 1

General specifications

Product Name
Eaton Moeller® series E57 Proximity switch

Catalog Number
136033

EAN
4015081328260

Product Length/Depth
81.28 mm

Product Height
45.72 mm

Product Width
50.8 mm

Product Weight
0.09 kg

Certifications
CE
UL 508
CSA Class No.: 3211-03
IEC/EN 60947-5-2
UL File No.: E166051
UL Category Control No.: NRKH, NRKH7

CSA-C22.2 No. 14
CSA File No.: 50513
CSA
UL

Powering Business Worldwide

Product specifications

Type
Inductive sensor

Electric connection type
Connector M12

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 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-e57-proximity-switch-dimensions-029.eps

1360DRW-92

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

250 V

Voltage type

AC

Mounting method

Flush mounting

Material

Stainless steel

Connection type

Plug-in connection M12 x 1

2-wire

Installation type

Concise

Degree of protection

IP67

NEMA 4X, 6, 13

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Breaker contact

Load current

1 - 500 mA (Ie, at 25 °C)

1 - 250 mA (Ie, 70 °C)

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

20 Hz

Voltage rating - max

250 V

Width sensor

0 mm

Product category

E57 Premium+ 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

2 mm

Repeatability

3 %

Sensor height

0 mm

Sensor length

68 mm

Supply voltage - max

250 V

Supply voltage - min

20 V

Switching hysteresis of Sn

20 %

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