Specifications

Eaton 136170



Catalog Number: 136170

Eaton Moeller® series E57 Proximity switch, E57 Premium+ Short-Series, 1 NC, 2-wire, 40 - 250 V AC, 20 - 250 V DC, M30 x 1.5 mm, Sn= 15 mm, Non-flush, NPN/PNP, Stainless steel, Plug-in connection M12 x 1

General specifications

Product Name
Eaton Moeller® series E57 Proximity switch

Catalog Number
136170

EAN
4015081329632

Product Length/Depth
157.48 mm

Product Height
50.8 mm

Product Width
127 mm

Product Weight
0.25 kg

Certifications
CSA File No.: 50513
UL File No.: E166051
IEC/EN 60947-5-2
CE
CSA Class No.: 3211-03
CSA-C22.2 No. 14
UL Category Control No.: NRKH, NRKH7

UL
UL 508
CSA

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

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

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

1360DRW-93

Installation instructions

IL05301003Z

Multimedia

We make what matters

Number of outputs (protected semiconductor)

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

Non-flush mounting

Material

Stainless steel

Connection type

Plug-in connection M12 x 1

2-wire

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

Breaker contact

Load current

1 - 200 mA (Ie, 70 °C)

1 - 250 mA (Ie, at 25 °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

60 Hz

Voltage rating - max

250 V

Width sensor

0 mm

Product category

E57 Premium+ Short-Series

Switching output type

PNP/NPN

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

15 mm

Repeatability

3 %

Sensor height

0 mm

Sensor length

49 mm

Supply voltage - max

250 V

Supply voltage - min

20 V

Switching hysteresis of Sn

20 %

Voltage drop (Ud)

2.5 V

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