Specifications

Eaton 136139



Catalog Number: 136139

Eaton Moeller® series E57 Proximity switch, E57 Premium+ Short-Series, 1 NC, 2-wire, 40 - 250 V AC, 20 - 250 V DC, M12 x 1 mm, Sn= 4 mm, Non-flush, NPN/PNP, Stainless steel, 2 m connection cable

General specifications

Product Name
Eaton Moeller® series E57 Proximity switch

Catalog Number
136139

EAN
4015081329328

Product Length/Depth
160.02 mm

Product Height
43.18 mm

Product Width
129.54 mm

Product Weight
0.2 kg

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

UL 508
UL

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 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-00004651.pdf

DA-DC-00004656.pdf

Drawings
1360DRW-92

Installation instructions
IL05301003Z

Multimedia
We make what matters

Number of outputs (protected semiconductor)

0

Number of outputs (semiconductor with signaling function)

1

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

2-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

Breaker contact

Load current

5 - 250 mA (Ie, at 25 °C)

5 - 200 mA (Ie, 70 °C)

Residual current

2 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

4 mm

Repeatability

3 %

Sensor height

0 mm

Sensor length

52 mm

Supply voltage - max

250 V

Supply voltage - min

20 V

Switching hysteresis of Sn

20 %

Voltage drop (Ud)

12 V



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