Specifications

Eaton 135864

Catalog Number: 135864

Eaton Moeller® series E57 Proximity switch, E57 Global Series, 1 N/O, 3-wire, 10 - 30 V DC, M8 x 1 mm, Sn= 2 mm, Non-flush, NPN, Stainless steel, Plug-in connection M12 x 1



General specifications

Product Name
Eaton Moeller® series E57 Proximity switch

Catalog Number
135864

EAN
4015081326570

Product Length/Depth
114.3 mm

Product Height
12.7 mm

Product Width
25.4 mm

Product Weight
0.09 kg

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

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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
8 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
eaton-proximity-switches-e57-proximity-switch-3d-drawing-002.eps

eCAD model
DA-CE-ETN.E57-08GU02-CDB

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

Functions

Protection against polarity reversal

Protection against wire breakage

Short-circuit protection

Voltage type

DC

Mounting method

Non-flush mounting

Material

Stainless steel

Connection type

Plug-in connection M12 x 1

3-wire

Installation type

Not flat

Degree of protection

IP69

IP67

NEMA Other

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Normally open contact

Load current

Max. 100 mA (Ie)

Residual current

0.01 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

2000 Hz

Voltage rating - max

30 V

Width sensor

0 mm

Product category

E57 Global Series

Switching output type

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

2 mm

Repeatability

1 %

Sensor height

0 mm

Sensor length

71 mm

Supply voltage - max

30 V

Supply voltage - min

10 V

Switching hysteresis of Sn

15 %

Voltage drop (Ud)

1.5 V

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