Specifications

Eaton 197731

Catalog Number: 197731

Eaton Moeller® series E57G Proximity switch, E57G General Purpose Serie, 1 NC, 3-wire, 10 - 30 V DC, M18 x 1 mm, Sn= 12 mm, Non-flush, PNP, Stainless steel, 2 m connection cable



General specifications

Product Name
Eaton Moeller® series E57G Proximity switch

Catalog Number
197731

EAN
4015081948383

Product Length/Depth
65.9 mm

Product Height
18 mm

Product Width
18 mm

Product Weight
0.138 kg

Certifications
UL Category Control No.: NRKH, NRKH7

UL Listed
IEC/EN 60947-5-2
CSA-C22.2 No. 14
UL File No.: E166051
UL 508
Certified by UL for use in Canada

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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
18 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-00004655.pdf

DA-DC-00004650.pdf

DA-DC-00004656.pdf

DA-DC-00004651.pdf

eCAD model
DA-CE-ETN.E57G-18UPC12-C2

Installation instructions
eaton-inductive-proximity-sensors-e57g-il053003en.pdf

mCAD model
DA-CD-90_29320_012

DA-CS-90_29320_012

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

Short-circuit protection

Voltage type

DC

Mounting method

Non-flush mounting

Material

Stainless steel

Connection type

2 m connection cable

3-wire

Installation type

Not flat

Degree of protection

NEMA 1

IP67

Interface type

None

LED indicator

Status indication of Switching state: Yellow LED

Switch function type

Breaker contact

Load current

Max. 100 mA (Ie)

Shock resistance

30 g, Shock duration 11 ms, Half-Sinusoidal

Switching frequency

300 Hz

Width sensor

0 mm

Product category

E57G General purpose series

Switching output type

PNP

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

12 mm

Repeatability

3 %

Sensor height

0 mm

Sensor length

65.9 mm

Supply voltage - max

30 V

Supply voltage - min

10 V

Switching hysteresis of Sn

20 %

Voltage drop (Ud)

2.5 V



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