Specifications

Eaton 197698

Catalog Number: 197698

Eaton Moeller® series E57G Proximity switch, E57G General Purpose Serie, 1 N/O, 3-wire, 10 - 30 V DC, M12 x 1 mm, Sn= 8 mm, Non-flush, NPN, Stainless steel, Plug-in connection M12 x 1



General specifications

Product Name
Eaton Moeller® series E57G Proximity switch

Catalog Number
197698

EAN
4015081948055

Product Length/Depth
68.7 mm

Product Height
12 mm

Product Width
12 mm

Product Weight
0.027 kg

Certifications
CSA-C22.2 No. 14
IEC/EN 60947-5-2
Certified by UL for use in Canada
UL Listed
UL 508
UL File No.: E166051
UL Category Control No.: NRKH, NRKH7

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 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-00004651.pdf

DA-DC-00004656.pdf

DA-DC-00004650.pdf

DA-DC-00004655.pdf

eCAD model
DA-CE-ETN.E57G-12UNN8-Q

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

mCAD model
DA-CS-90_29320_003

DA-CD-90_29320_003

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

Plug-in connection M12 x 1

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

500 Hz

Width sensor

0 mm

Product category

E57G General purpose 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

48 V

Rated control supply voltage (Us) at DC - min

6 V

Rated switching distance (Sn) - max

8 mm

Repeatability

3 %

Sensor height

0 mm

Sensor length

68.7 mm

Supply voltage - max

48 V

Supply voltage - min

10 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