chanhvinh.com

Specifications

Eaton 136214



Catalog Number: 136214

Eaton Moeller® series E59 Proximity switch, inductive, 1 N/C, Sn=8mm, 4L, 6-48VDC, NPN, PNP, M18, metal E59-M18A108C02-D2

General specifications

Product Name
Eaton E59 AccuProx analog inductive proximity sensor

Catalog Number
136214

EAN
4015081330072

Product Length/Depth
152.4 mm

Product Height
44.45 mm

Product Width
127 mm

Product Weight
0.45 kg

Certifications
UL 508
IEC/EN 60947-5-2
UL File No.: E166051
CE
CSA File No.: UL report applies to both US and Canada
CSA-C22.2 No. 14
Certified by UL for use in Canada
UL Category Control No.: NRKH, NRKH7

UL

Powering Business Worldwide

chanhvinh.com

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

-40 °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

Declarations of conformity

DA-DC-00004651.pdf

DA-DC-00004656.pdf

Drawings

eaton-proximity-switches-e59-proximity-switch-dimensions-003.eps

131I090

Installation instructions

IL05301004Z

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

15 A

Output current at protected output - max

0 mA

Rated control supply voltage (Us) at AC, 50 Hz - max

0 V

Functions

Protection against wire breakage

Protection against polarity reversal

Short-circuit protection

Voltage type

DC

Mounting method

Flush mounting

Material

Stainless steel

Connection type

2 m connection cable

3-wire

Installation type

Concise

Degree of protection

IP67

IP69

NEMA 4X, 6, 13

Interface type

None

LED indicator

Status indication of Operating voltage: Green LED

Status indication of Switching state: Red LED

Switch function type

Breaker contact

Load current

1 - 300 mA (Ie)

Residual current

0.15 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

390 Hz

Voltage rating - max

48 V

Width sensor

0 mm

Product category

iProx 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

48 V

Rated control supply voltage (Us) at DC - min

6 V

Rated switching distance (Sn) - max

8 mm

Repeatability

1 %

Sensor height

0 mm

Sensor length

64 mm

Supply voltage - max

48 V

Supply voltage - min

6 V

chanhvinh.com

Switching hysteresis of Sn

15 %

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

chanhvinh.com