chanhvinh.com

Specifications

Eaton 136225



Catalog Number: 136225

Eaton Moeller® series E59 Proximity switch, inductive, 1N/O, Sn=29mm, 4L, 6-48VDC, NPN, PNP, M30, metal E59-M30C129C02-D1

General specifications

Product Name
Eaton E59 AccuProx analog inductive proximity sensor

Catalog Number
136225

EAN
4015081330188

Product Length/Depth
152.4 mm

Product Height
44.45 mm

Product Width
127 mm

Product Weight
0.45 kg

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

CSA File No.: UL report applies to both US and Canada

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

30 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

Declarations of conformity

DA-DC-00004651.pdf

DA-DC-00004656.pdf

Drawings

eaton-proximity-switches-e59-proximity-switch-dimensions-006.eps

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

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
Short-circuit protection
Protection against polarity reversal

Voltage type

DC

Mounting method

Non-flush mounting

Material

Stainless steel

Connection type

3-wire
2 m connection cable

Installation type

Not flat

Degree of protection

IP67
IP69
NEMA 4X, 6, 13

Interface type

None

LED indicator

Status indication of Switching state: Red LED
Status indication of Operating voltage: Green LED

Switch function type

Normally open 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

145 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

29 mm

Repeatability

3 %

Sensor height

0 mm

Sensor length

70 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