chanhvinh.com

Specifications

# Eaton 135873



## Catalog Number: 135873

Eaton Moeller® series E57 Proximity switch, E57 Global Series, 1 NC, 2-wire, 10 - 30 V DC, M12 x 1 mm, Sn= 8 mm, Non-flush, NPN/PNP, Metal, Plug-in connection M12 x 1

### General specifications

**Product Name**
Eaton Moeller® series E57 Proximity switch

**Catalog Number**
135873

**EAN**
4015081326662

**Product Length/Depth**
152.4 mm

**Product Height**
44.45 mm

**Product Width**
152.4 mm

**Product Weight**
0.23 kg

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

Powering Business Worldwide

chanhvinh.com

## Product specifications

**Type**

Inductive sensor

**Electric connection type**

Plug-in connection

**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**

60 °C

**Ambient operating temperature - min**

0 °C

**Diameter sensor**

12 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-00004656.pdf

DA-DC-00004651.pdf

**Drawings**

1360DIM-55

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

**eCAD model**

DA-CE-ETN.E57-12GE08-D1DB

**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

Voltage type

DC

Mounting method

Non-flush mounting

Material

Metal

Connection type

2-wire

Plug-in connection M12 x 1

Installation type

Not flat

Degree of protection

IP67

IP69

NEMA Other

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Breaker contact

Load current

3 - 100 mA (Ie)

Residual current

0.8 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

PNP/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

8 mm

Repeatability

2 %

Sensor height

0 mm

Sensor length

69 mm

Supply voltage - max

30 V

Supply voltage - min

10 V

Switching hysteresis of Sn

15 %

chanhvinh.com

Voltage drop (Ud)

6 V

chanhvinh.com

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
chanhvinh.com
chanhvinh.com
chanhvinh.com
chanhvinh.com