Specifications

# Eaton 134809



## Catalog Number: 134809

Eaton Moeller® series E53 Proximity switch, capacitive, Sn=25mm, 1 N/C, 3L, NPN, M30, insulated material, M12

### General specifications

**Product Name**
Eaton Moeller® series E53 Proximity switch

**Catalog Number**
134809

**EAN**
4015081316618

**Product Length/Depth**
127 mm

**Product Height**
50.8 mm

**Product Width**
50.8 mm

**Product Weight**
0.1 kg

**Certifications**
IEC/EN 60947-5-2
CE

Powering Business Worldwide

## Product specifications

### Type

Capacitive sensor

### Electric connection type

Plug-in connection

### Enclosure material finishing

Other

### Fitted with:

Status indication

### Actuation type

Other

### Enclosure material

Plastic

### Enclosure type

Cylinder, screw-thread

### Category (EN 954-1)

B

### Explosion safety category for dust

None

### Explosion safety category for gas

None

### Voltage type

DC

### Mounting method

Non-flush mounting

### Material

Insulated material

### Connection type

Plug-in connection M12 x 1

3-wire

### Installation type

Not flat

### Degree of protection

NEMA 4

NEMA 13

NEMA 12

IP65

## Resources

### Catalogs

Product Range Catalog Sensors – products, basic information, applications

### Declarations of conformity

DA-DC-00004648.pdf

DA-DC-00004653.pdf

### Drawings

eaton-proximity-switches-e53-proximity-switch-dimensions-008.eps

eaton-proximity-switches-e53-proximity-switch-dimensions-006.eps

eaton-proximity-switches-e53-proximity-switch-dimensions-007.eps

1360DRW-93

### Installation instructions

IL05307002Z

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Breaker contact

Load current

Max. 300 mA (Ie)

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)

25 mm

Repeatability

10 %

Sensor height

0 mm

Sensor length

80 mm

Supply voltage - max

30 V

Supply voltage - min

10 V

Switching hysteresis of Sn

20 %

Voltage rating - max

250 V

Width sensor

0 mm

Product category

E53 Capacitive Series

Residual ripple

10 % ($U_e$)

Shock resistance

30 g, Mechanical, Shock duration 11 ms

Switching frequency

250 Hz

Switching output type

NPN

Temperature drift of sn

10 %

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

30 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)

0

Number of outputs (semiconductor with signaling function)

1

Output current at protected output - max

0 mA

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

0 V

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

0 V

Rated control supply voltage (Us) at AC, 60 Hz - max

0 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