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Specifications

# Eaton 134824



## Catalog Number: 134824

Eaton Moeller® series E53 Proximity switch, capacitive, Sn=25mm, 1 N/C, 3L, PNP, M34, insulated material, M12

### General specifications

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

**Catalog Number**
134824

**EAN**
4015081316762

**Product Length/Depth**
127 mm

**Product Height**
50.8 mm

**Product Width**
88.9 mm

**Product Weight**
0.18 kg

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

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## 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 plain

### Category (EN 954-1)
B

### Explosion safety category for dust
None

### Explosion safety category for gas
None

### Functions
Protection against wire breakage
Protection against polarity reversal
Short-circuit protection

### Voltage type
DC

### Mounting method
Flush mounting

### Material
Insulated material

### Connection type
3-wire
Plug-in connection M12 x 1

### Installation type
Concise

### Degree of protection

## Resources

### Catalogs
Product Range Catalog Sensors – products, basic information, applications

### Declarations of conformity
DA-DC-00004648.pdf

### Drawings
eaton-proximity-switches-e53-proximity-switch-dimensions-003.eps
eaton-proximity-switches-e53-proximity-switch-dimensions-002.eps
eaton-proximity-switches-e53-proximity-switch-dimensions-004.eps
eaton-proximity-switches-e53-proximity-switch-3d-drawing.eps

### Installation instructions
IL05307002Z

NEMA 12

NEMA 13

IP65

NEMA 4

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 drop (Ud)

2 V

Voltage rating - max

250 V

Width sensor

0 mm

Product category

E53 Capacitive Series

Operational current (Ib)

< 10 mA (in the switched state at 24 V DC)

Residual current

0.1 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

250 Hz

Switching output type

PNP

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

34 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

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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

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