Specifications

Eaton 134781

Catalog Number: 134781

Eaton Moeller® series E53 Proximity switch, capacitive, Sn=35mm, 1N/O, 2L, 20-250VAC, M34, insulated material, line 2m



General specifications

Product Name
Eaton Moeller® series E53 Proximity switch

Catalog Number
134781

EAN
4015081316335

Product Length/Depth
152.4 mm

Product Height
44.45 mm

Product Width
152.4 mm

Product Weight
0.23 kg

Certifications
CE
IEC/EN 60947-5-2

Powering Business Worldwide

Product specifications

Type

Capacitive sensor

Electric connection type

Cable

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

Voltage type

AC

Mounting method

Non-flush mounting

Material

Insulated material

Connection type

2 m connection cable

2-wire

Installation type

Not flat

Degree of protection

NEMA 12

NEMA 13

IP65

NEMA 4

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-003.eps

eaton-proximity-switches-e53-proximity-switch-dimensions-002.eps

eaton-proximity-switches-e53-proximity-switch-dimensions-004.eps

Installation instructions

IL05307002Z

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Normally open contact

Load current

5 - 300 mA (Ie)

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

20 V

Rated control supply voltage (Us) at DC - max

0 V

Rated control supply voltage (Us) at DC - min

0 V

Rated switching distance (Sn)

35 mm

Repeatability

10 %

Sensor height

0 mm

Sensor length

80 mm

Supply voltage - max

250 V

Supply voltage - min

20 V

Switching hysteresis of Sn

20 %

Voltage drop (Ud)

9 V

Voltage rating - max

250 V

Width sensor

0 mm

Product category

E53 Capacitive Series

Operational current (Ib)

< 2.5 mA (in the switched state at 24 V DC)

Rated short-time withstand current

5 A (10 ms, 5 Hz)

Residual current

2.5 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

Supply frequency

50 Hz, Input, min. Range

60 Hz, Input, max. Range

Switching frequency

15 Hz

Switching output type

Two-wire

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 open 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

250 V

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

20 V

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

250 V

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