Specifications

Eaton 134764



Catalog Number: 134764

Eaton Moeller® series E53 Proximity switch, capacitive, Sn=8mm, 1N/O, 3L, NPN, 10-30VDC, M18, insulated material, M12

General specifications

Product Name
Eaton Moeller® series E53 Proximity switch

Catalog Number
134764

EAN
4015081316168

Product Length/Depth
114.3 mm

Product Height
12.7 mm

Product Width
25.4 mm

Product Weight
0.09 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

Functions

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

Voltage type

DC

Mounting method

Flush mounting

Material

Insulated material

Connection type

Plug-in connection M12 x 1
3-wire

Installation type

Concise

Degree of protection

Resources

Catalogs

Product Range Catalog Sensors – products, basic information, applications

Declarations of conformity

DA-DC-00004653.pdf

DA-DC-00004648.pdf

Drawings

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

eaton-proximity-switches-e53-proximity-switch-dimensions-005.eps

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

131I090

Installation instructions

IL05307002Z

NEMA 12

IP65

NEMA 4

NEMA 13

Interface type

None

LED indicator

Status indication of Switching state: Red LED

Switch function type

Normally open 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)

8 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

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

18 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

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