

Product characteristics

Inductive sensor

Plastic housing \varnothing 164 mm

Cable

Sensing range 120 mm; adjustable 30...120 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

15 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

3

Monitoring range

Sensing range [mm]

120, adjustable 30...120 mm

Real sensing range (Sr) [mm]

120 \pm 10 %

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

Hysteresis [% of Sr]

< 15

Switch-point drift [% of Sr]

-15...15

Environment

Ambient temperature [°C]

-20...70

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

1049

Mechanical data

Mounting

non-flush mountable

Housing materials

housing: PBT; bottom cover: aluminum

Weight [kg]

1.249

I27001 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Displays / operating elements

Output status indication LED | yellow

Electrical connection

Connection | PVC cable / 2 m; 3 x 0.5 mm²

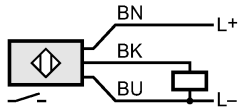
Wiring

Core colors

BK black

BN brown

BU blue



Accessories

Accessories (included) | Screw; M16 x 90

Remarks

Pack quantity [piece] | 1