

1: sensing face



Product characteristics

Inductive sensor

Rectangular Metal

Cable

Sensing range 0.8 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

10 (24 V)

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 1

Current rating [mA]

100

Short-circuit protection

yes (non-latching)

Overload protection

no

Switching frequency [Hz]

1000

Monitoring range

Sensing range [mm]

0.8

Real sensing range (Sr) [mm]

0.8 ± 10 %

Operating distance [mm]

0...0.65

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

Hysteresis [% of Sr]

< 15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

640

Mechanical data

Mounting

flush mountable

Housing materials

housing: aluminum anodized; active face: POM (polyoxymethylene)

Weight [kg]

0.054

Displays / operating elements

IL5022 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication LED | red

Electrical connection

Connection | PVC cable / 2 m; 3 x 0.14 mm²

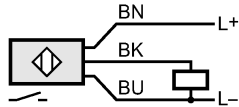
Wiring

Core colors

BK black

BN brown

BU blue



Accessories

Accessories (included) | 2 mounting screws

Remarks

Pack quantity [piece] | 1