

Product characteristics

Inductive sensor

Rectangular, plastics

Cable

Sensing range 50 mm; adjustable; [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]

100

Monitoring range

Sensing range [mm]

50, adjustable

Real sensing range (Sr) [mm]

50 ± 10 %

Operating distance [mm]

0...40.5

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]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 61000-4-2 ESD:

- CD / 8 kV AD

EN 61000-4-3 HF radiated:

10 V/m

EN 61000-4-4 Burst:

2 kV

EN 61000-4-5 Surge:

0.5 kV (line to line, Ri: 20hm)

EN 61000-4-6 HF conducted:

3 V

EN 55011:

class B

MTTF

[Years]

1390

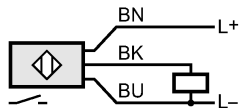
Mechanical data

ID5026 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Mounting	non-flush mountable
Housing materials	PPE
Weight [kg]	0.588
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PVC cable / 2 m; 3 x 0.5 mm ²

Wiring

Core colors
 BN brown
 BU blue
 BK black



Accessories	
Accessories (included)	screwdriver
Remarks	
Pack quantity [piece]	1