

Product characteristics

Inductive sensor

Plastic housing Ø 34 mm

Connector

Sensing range 20 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...36 DC

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 1

Current rating [mA]

250

Short-circuit protection

yes

Overload protection

yes

Switching frequency [Hz]

200

Range

Sensing range [mm]

20

Real sensing range (Sr) [mm]

20 ± 10 %

Operating distance [mm]

0...16.2

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

2200

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT; connector housing: Brass PTFE-coated

Weight [kg]

0.233

Displays / operating elements

Output status indication LED

yellow (4 x 90°)

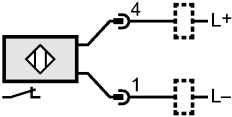
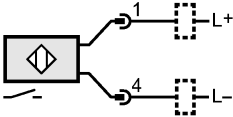
Electrical connection

Connection

M12 connector

Wiring

IB5169 - Inductive sensor - eclass: 27270101 / 27-27-01-01



Accessories	
Accessories (included)	Mounting clamp
Remarks	
Pack quantity	1
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