

Product characteristics

Inductive sensor

Plastic housing Ø 34 mm

Connector

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

Electrical data

Electrical design

Operating voltage [V]

Current consumption [mA]

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Current rating [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Range

Sensing range [mm]

Real sensing range (Sr) [mm]

Operating distance [mm]

Accuracy / deviations

Correction factors

Hysteresis [% of Sr]

Switch-point drift [% of Sr]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

Mounting

Housing materials

Weight [kg]

Displays / operating elements

Output status indication LED

DC PNP

10...30 DC

< 15

II

yes

complementary

< 2.5

200

pulsed

yes

350

30

30 ± 10 %

0...24.3

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

3...15

-10...10

-25...80

IP 67

EN 60947-5-2

EN 61000-4-2 ESD: 4 kV 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: 20Ω)

EN 61000-4-6 HF conducted: 10 V

EN 55011: class B

1334

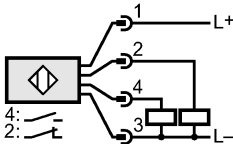
non-flush mountable

PBT; connector housing: Brass PTFE-coated

0.246

yellow

IB5171 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection	
Connection	M12 connector
Wiring 2134 	
Accessories	
Accessories (included)	Mounting clamp
Remarks	
Pack quantity	[piece] 1
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