



Product characteristics

Inductive sensor

Rectangular, plastics

Cable

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

15 (24 V)

Protection class

III

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 1

Current rating [mA]

200

Short-circuit protection

no

Overload protection

no

Switching frequency [Hz]

800

Range

Sensing range [mm]

2

Real sensing range (Sr) [mm]

2 ± 10 %

Operating distance [mm]

0...1.6

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu 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: 15 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: 2Ohm)

EN 61000-4-6 HF conducted: 10 V

EN 55011 (Emission): class B

MTTF [Years]

3004

Mechanical data

Mounting

flush mountable

Housing materials	PBT	
Tightening torque	[Nm]	≤ 0.5 (with washer)
Weight	[kg]	0.013
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		PVC cable / 0.15 m; 3 x 0.14 mm ² ; Ø 3.5 mm
Wiring		
Core colours		
BN	brown	
BU	blue	
BK	black	

Remarks

Pack quantity	[piece]	1
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