

Product characteristics

Inductive sensor

Metal thread M12 x 1

Connector

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...30 DC

Current consumption [mA]

15 (24 V)

Protection class

III

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 1.5

Current rating [mA]

200

Short-circuit protection

no

Overload protection

no

Switching frequency [Hz]

700

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 60947-5-2

EN 55011: class B

MTTF [Years]

1646

Mechanical data

Mounting

flush mountable

Housing materials

Brass white bronze coated; active face: PC (polycarbonate)

Weight [kg]

0.03

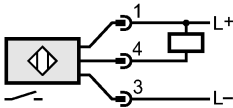
Electrical connection

Connection

M12 connector

Wiring

IF5505 - Inductive sensor - eclass: 27270101 / 27-27-01-01



Accessories	
Accessories (included)	2 lock nuts
Remarks	
Pack quantity	1
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