

Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Sensing range 4 mm; [nf] non-flush mountable

Electrical data

Electrical design

Operating voltage [V]

Current consumption [mA]

Protection class

Reverse polarity protection

DC PNP

10...30 DC

15 (24 V)

III

no

Outputs

Output function

Voltage drop [V]

Current rating [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

normally open

< 1.5

200

no

no

300

Range

Sensing range [mm]

Real sensing range (Sr) [mm]

Operating distance [mm]

4

4 ± 10 %

0...3.25

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]

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2

1...15

-10...10

-25...80

IP 67

EN 60947-5-2

EN 55011:

class B

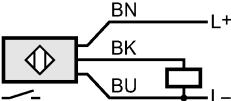
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non-flush mountable

Brass nickel-plated; PC (polycarbonate)

0.111

IF5706 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Displays / operating elements	
Output status indication	LED yellow
Electrical connection	
Connection	PVC cable / 4 m; 3 x 0.14 mm²
Wiring	
Core colours	
BK	black
BN	brown
BU	blue
	
Accessories	
Accessories (included)	2 lock nuts
Remarks	
Pack quantity	[piece] 1