

CE

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

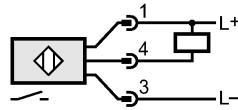
Mounting	flush mountable
Housing materials	Brass white bronze coated; active face: PC (polycarbonate)
Weight [kg]	0.03

Electrical connection

Connection	M12 connector
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Wiring

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



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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