

Product characteristics

Inductive sensor

Metal thread M12 x 1

Connector

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

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...36 DC

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 0.6

Current rating [mA]

150

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

1500

Range

Sensing range [mm]

4

Real sensing range (Sr) [mm]

4 ± 10 %

Operating distance [mm]

0...3.25

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]

2833

Mechanical data

Mounting

non-flush mountable

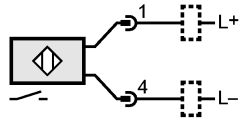
Housing materials

Brass nickel-plated; PC (polycarbonate)

IF5793 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Weight	[kg]	0.031
Displays / operating elements		
Output status indication	LED	Red
Electrical connection		
Connection		M12 connector

Wiring



Accessories		
Accessories (included)		2 lock nuts
Remarks		
Pack quantity	[piece]	1