

Product characteristics

Inductive sensor

Plastic thread M8 x 1

Cable with connector

Sensing range 2 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...36 DC

Current consumption [mA]

15 (24 V)

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

Monitoring 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 / aluminium approx. 0.3 / copper 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

MTTF [Years]

5515

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT

Displays / operating elements

Output status indication LED

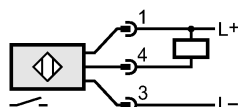
yellow

Electrical connection

Connection

PVC cable / 0.9 m; with M12 connector

Wiring



IE8503 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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