

Product characteristics

Inductive sensor

Metal thread M8 x 1

Quick disconnect

Weld field immune

Correction factor = 1

gold-plated contacts

Sensing range 1.5 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 20

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

1000

Monitoring range

Sensing range [mm]

1.5

Real sensing range (Sr) [mm]

1.5 ± 10 %

Operating distance [mm]

0...1.2

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 1 / brass approx. 1 / aluminium approx. 1 / copper approx. 1

Hysteresis [% of Sr]

1...20

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 61000-4-2 ESD: 4 kV CD / 8 kV AD

EN 61000-4-3 HF radiated: 10 V/m

EN 61000-4-4 Burst: 2 kV

EN 61000-4-6 HF conducted: 10 V

EN 55011: class B

MTTF [Years]

1592

Mechanical data

Mounting

flush mountable

Housing materials

housing: stainless steel (316L); active face: LCP; lock nuts: brass

Weight [kg]

0.021

Displays / operating elements

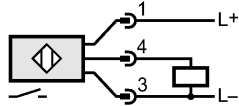
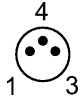
IE5390 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication	LED	yellow (4 x 90°)
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Electrical connection		
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Connection		M8 connector; (snap-fit), gold-plated contacts
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Wiring



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