

Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Sensing range 15 mm; [f] flush mountable

Electrical data

Electrical design

Operating voltage [V]

DC PNP

10...36 DC

Current consumption [mA]

15 (24 V)

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

350

Monitoring range

Sensing range [mm]

15

Real sensing range (Sr) [mm]

15 ± 10 %

Operating distance [mm]

0...12.1

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]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

Mechanical data

Mounting

flush mountable

Housing materials

PPO (Noryl)

Displays / operating elements

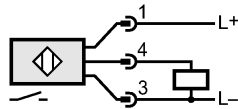
IM8510 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication	LED	red
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Electrical connection		
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Connection		M12 connector
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Wiring



Remarks		
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Remarks		remove jumper for normally closed
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Pack quantity	[piece]	1
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