

Product characteristics

Inductive sensor	
Rectangular, plastics	
Cable with connector	
Sensing range 8 mm; [nf] non-flush mountable	

Electrical data

Electrical design		DC PNP
Operating voltage [V]		10...36 DC
Current consumption [mA]		15 (24 V)
Protection class		II
Reverse polarity protection		yes

Outputs

Output function		normally open
Voltage drop [V]		< 2.5
Current rating [mA]		250
Short-circuit protection		yes
Overload protection		yes
Switching frequency [Hz]		300

Monitoring range

Sensing range [mm]		8
Real sensing range (Sr) [mm]		8 ± 10 %
Operating distance [mm]		0...6.5

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 EN 55011:	class B
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Mechanical data

Mounting		non-flush mountable
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IW8501

Inductive sensors

Housing materials	PBT
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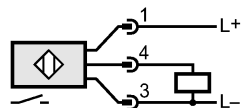
Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection	PVC cable / 0.2 m; 3 x 0.14 mm ² ; with M12 connector
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Wiring



Remarks

Pack quantity	[piece]	1
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