

Product characteristics

Inductive sensor	
Metal thread M18 x 1	
Quick disconnect	
Increased sensing range	
Optical setting aid (2 LED)	
Sensing range 8 mm; [f] flush mountable	
Electrical data	
Electrical design DC PNP/NPN	
Operating voltage [V]	10...36 DC; cULus - Class 2 source required
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open / closed programmable
Voltage drop [V]	< 4.6
Minimum load current [mA]	4
Leakage current [mA]	< 1
Current rating [mA]	100
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	400
Monitoring range	
Sensing range [mm]	8
Operating distance [mm]	0...6.48
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	1...20
Environment	
Ambient temperature [°C]	-25...70
Protection	IP 68; "Coolant"
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 61000-4-5 Surge:	0.5 kV
EN 61000-4-6 HF conducted:	10 V
EN 55011:	class B
MTTF [Years]	1357
Mechanical data	
Mounting	flush mountable
Housing materials	brass white bronze coated; active face: PBT orange
Weight [kg]	0.056

# IG5905 - Inductive sensor - eclass: 27270101 / 27-27-01-01

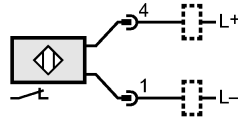
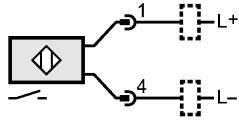
Displays / operating elements

Output status indication	LED	yellow (4 x 90°)
Setting aid	LED	red

Electrical connection

Connection	M12 connector; gold-plated contacts
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## Wiring



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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