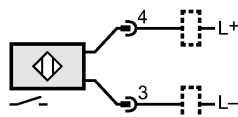


Product characteristics	
Inductive sensor	
Metal thread M8 x 1	
Cable with connector	
Sensing range 3 mm; [f] flush mountable	
Electrical data	
Electrical design	DC PNP/NPN
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10
Protection class	III
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2.8
Minimum load current [mA]	2
Leakage current [mA]	< 0.5
Current rating [mA]	100
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	1000
Monitoring range	
Sensing range [mm]	3
Real sensing range (Sr) [mm]	3 ± 10 %
Operating distance [mm]	0...2.4
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...15
Switch-point drift [% of Sr]	-10...10
Environment	
Ambient temperature [°C]	0...60
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
Mechanical data	
Mounting	flush mountable
Housing materials	brass white bronze coated; active face: LCP
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PVC cable / 0.8 m; with M12 connector

**Wiring**



**IE8506 - 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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