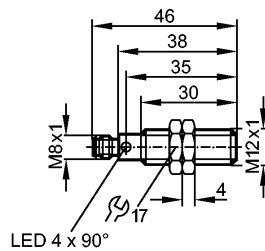


IFS210

IFB3004BBPKG/M/AS-514-TPS

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M12 x 1

Quick disconnect

Increased sensing range

gold-plated contacts

Sensing range 4 mm; [f] flush mountable

Electrical data

Electrical design		DC PNP
Operating voltage	[V]	10...36 DC; cULus - Class 2 source required
Current consumption	[mA]	10 (24 V)
Protection class		III
Reverse polarity protection		yes

Outputs

Output function		normally open
Voltage drop	[V]	< 2.5
Current rating	[mA]	100
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency	[Hz]	700

Monitoring range

Sensing range	[mm]	4
Real sensing range (Sr)	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25

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]	3...15
Switch-point drift	[% of Sr]	-10...10

Environment

Ambient temperature	[°C]	-25...70
Protection		IP 67; if screwed on

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

IFS210

IFB3004BBPKG/M/AS-514-TPS

Inductive sensors

MTTF	[Years]	2017
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Mechanical data

Mounting	flush mountable	
Housing materials	brass white bronze coated; active face: PBT	
Weight	[kg]	0.026

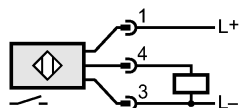
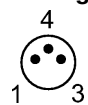
Displays / operating elements

Output status indication	LED	yellow (4 x 90°)
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Electrical connection

Connection	M8 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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