

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

IFM ELECTRONIC

II5910

INDUCTIVE PROXIMITY SENSOR

Used with the applicable IFM Inductive Sensors configuration.

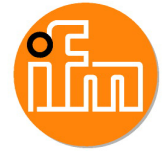
REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: IFM Electronic official documentation for II5910

II5910



Inductive sensor

IIA3015BBPKG/US-104

Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	1...20	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature		[°C]	-40...70
Protection			IP 67
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 line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted		10 V
	EN 55011		class B
	signal-to-noise ratio walkie-talkie		150 MHz (5 W): 7,5 cm / 450 MHz (5 W): 5 cm / 900 MHz (2 W): 0 cm
Vibration resistance		EN 60068-2-6 Fc	20 g (10...3000 Hz) / 50 sweep cycles, 1 octave per minute, in 3 axes
Shock resistance		EN 60068-2-27 Ea	100 g 11 ms half-sine; 3 shocks each in every direction of the 3 coordinate axes
Continuous shock resistance		EN 60068-2-27	40 g 6 ms; 4000 shocks each in every direction of the 3 coordinate axes
MTTF		[years]	1083
Mechanical data			
Weight		[g]	130
Housing			threaded type
Mounting			flush mountable
Dimensions		[mm]	M30 x 1.5 / L = 75
Thread designation			M30 x 1.5
Materials			housing: brass white bronze coated; sensing face: PBT white; LED window: PEI; lock nuts: brass white bronze coated
Tightening torque		[Nm]	50
Displays / operating elements			
Display		switching status	4 x LED, yellow
Accessories			
Items supplied			lock nuts: 2
Remarks			
Pack quantity			1 pcs.

II5910

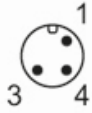


Inductive sensor

IIA3015BBPKG/US-104

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

