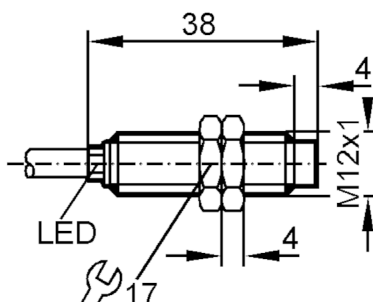


IF6001



Inductive sensor

IFB3004-BPKG/PULLDOWN 2 KOHM



Electrical data

Operating voltage	[V]	18...32 DC
Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes
Internal pull-down resistance	[kΩ]	2

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	125; (150 (...50 °C))
Short-time current rating of switching output	[mA]	150
Switching frequency DC	[Hz]	200
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

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

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Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	2554
Mechanical data		
Weight	[g]	97.8
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		brass white bronze coated; sensing face: PC
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

IF6001



Inductive sensor

IFB3004-BPKG/PULLDOWN 2 KOHM

Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



Core colours :

BN =	brown
BU =	blue
BK =	black