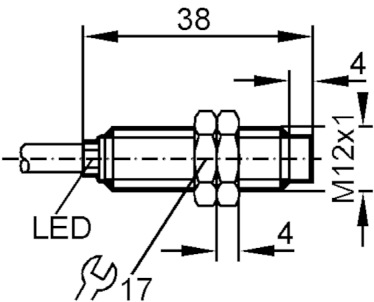


IF6001



Inductive sensor

IFB3004-BPKG/PULLDOWN 2 KOHM



Product characteristics	
Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	threaded type
Dimensions [mm]	M12 x 1
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

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Overload protection	yes	
Detection zone		
Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25
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]	93.7
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		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

IF6001



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Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



BN =	Core colours :
BU =	brown
BK =	blue
	black