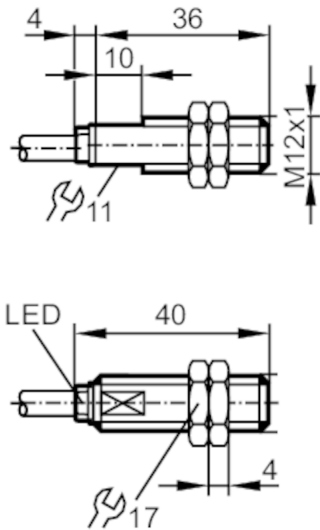




Inductive sensor

IFB2004BBROG/UP/3M/PH



Product characteristics		
Electrical design		PNP/NPN
Output function		normally closed
Sensing range	[mm]	4
Housing		threaded type
Dimensions	[mm]	M12 x 1 / L = 40
Application		
Special feature		Increased sensing range
Electrical data		
Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		no
Outputs		
Electrical design		PNP/NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	5
Minimum load current	[mA]	2
Max. leakage current	[mA]	1
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	110
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	4

**Inductive sensor**

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

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	2764	

Mechanical data

Weight	[g]	89.5
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1 / L = 40
Thread designation		M12 x 1
Materials		brass white bronze coated; PBT

Displays / operating elements

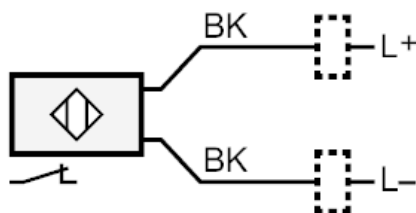
Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connectionCable: 3 m, PUR / PVC; 2 x 0.34 mm²**Connection**

BK = Core colours :
black