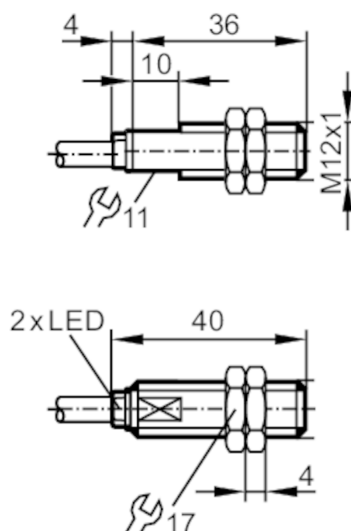


Inductive sensor

IFB2004BAROG/UP/1m

Article no longer available - archive entry



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	4
Housing	threaded type
Dimensions [mm]	M12 x 1 / L = 40

Application

Special feature	Increased sensing range; Optical setting aid
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Electrical data

Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	no

Outputs

Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	5
Minimum load current [mA]	5
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

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Detection zone		
Sensing range	[mm]	4
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]	1671
Mechanical data		
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, red
	switching status	1 x LED, green
Optical setting aid		yes
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

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Electrical connection

Cable: 1 m, PVC; 2 x 0.34 mm²

Connection



BK =

Core colours :
black