



Inductive sensor

IF-3002-BNOG

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Product characteristics

Electrical design		NPN
Output function		normally closed
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M12 x 1 / L = 71

Electrical data

Operating voltage	[V]	10...55 DC
Current consumption	[mA]	7; (24 V)
Protection class		II
Reverse polarity protection		no

Outputs

Electrical design		NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	1
Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	700
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

IF5003



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Mechanical data	
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M12 x 1 / L = 71
Thread designation	M12 x 1
Materials	PBT

Displays / operating elements		
Display	switching status	1 x LED, yellow

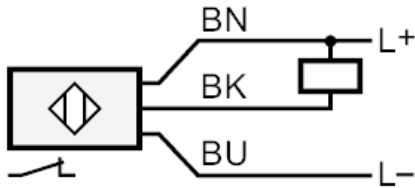
Аксессуары	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



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