

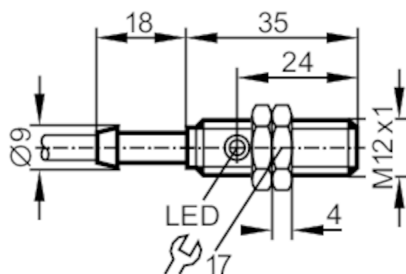
# IF5225



## Inductive sensor

IFB3002-BNOG/10m

Article no longer available - archive entry



### Product characteristics

Electrical design		NPN
Output function		normally closed
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M12 x 1 / L = 35

### Electrical data

Operating voltage	[V]	18...36 DC
Current consumption	[mA]	7; (24 V)
Reverse polarity protection		no

### Outputs

Electrical design		NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	2
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	800
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: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...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	
	EN 55011	class B

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IFB3002-BNOG/10m

Mechanical data	
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M12 x 1 / L = 35
Thread designation	M12 x 1
Materials	brass nickel-plated; PBT

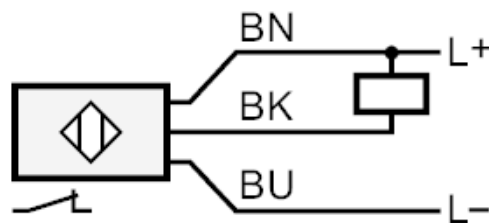
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

**Electrical connection**  
Cable: 10 m, PVC; 3 x 0.34 mm<sup>2</sup>

### Connection



Core colours :

BN = brown  
BU = blue  
BK = black