

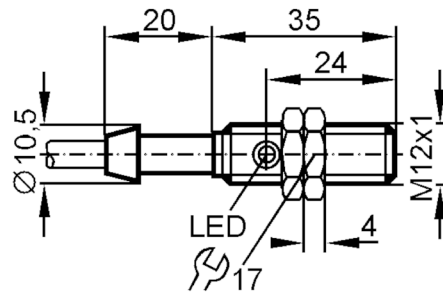
# IF5242



## Inductive sensor

IFB3002-BNOG/MS/20m

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### Electrical data

Operating voltage	[V]	18...36 DC
Current consumption	[mA]	7; (24 V)
Reverse polarity protection		yes

### Outputs

Electrical design		NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	800
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

### Detection zone

Sensing range	[mm]	2
Real sensing range $S_r$	[mm]	$2 \pm 10 \%$
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 $S_r$ ]	3...15
Switch point drift	[% of $S_r$ ]	-10...10

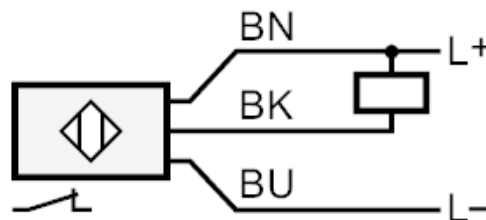
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IFB3002-BNOG/MS/20m

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Mechanical data		
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		brass nickel-plated; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 20 m, PVC; 3 x 0.34 mm <sup>2</sup>		
Connection		



Core colours :

BN = brown  
BU = blue  
BK = black

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