

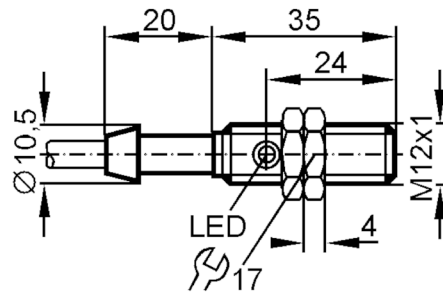
IF5242



Inductive sensor

IFB3002-BNOG/MS/20m

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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

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 Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6

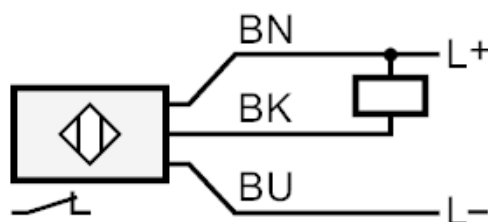
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Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis [% of Sr]	3...15	
Switch point drift [% of Sr]	-10...10	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	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 ²		
Connection		



Core colours :

BN = brown
BU = blue
BK = black

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