

# IF5163



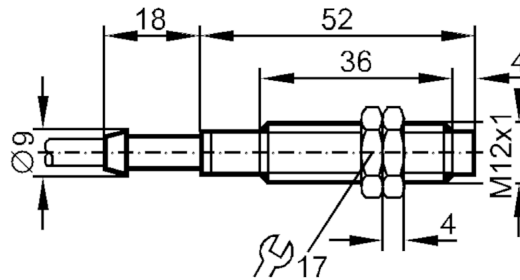
## Inductive sensor

IFK3002-ANOG/O.LED

Article no longer available - archive entry

Alternative articles: IF5505

When selecting an alternative article and accessories please note that technical data may differ!



### Product characteristics

Electrical design		NPN
Output function		normally open
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M12 x 1

### Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		no

### Outputs

Electrical design		NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	1.5
Permanent current rating of switching output DC	[mA]	200
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...1.62

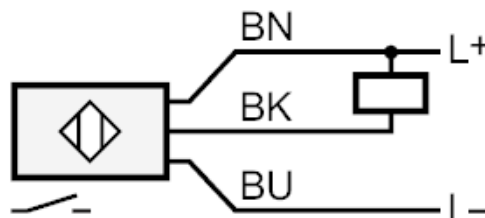
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Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis [% of Sr]	1...15	
Switch point drift [% of Sr]	-10...10	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing	threaded type	
Mounting	flush mountable	
Dimensions [mm]	M12 x 1	
Thread designation	M12 x 1	
Materials	brass nickel-plated; PBT	
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 2 m, PVC; 3 x 0.34 mm <sup>2</sup>		
Connection		



Core colours :

BN =	brown
BU =	blue
BK =	black