

# IF5009



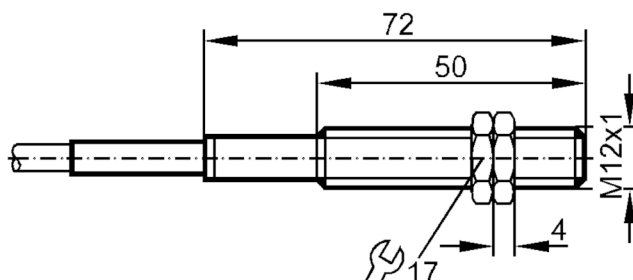
## Inductive sensor

IFA3002-ANOG

Article no longer available - archive entry

Alternative articles: IF5305

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]	7; (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

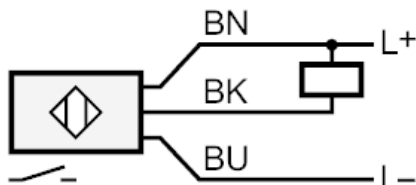
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## Inductive sensor

IFA3002-ANOG

Monitoring range		
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 / aluminum: 0.4 / copper: 0.3
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
Material		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 mm²		
Connection		



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