

# IF5005



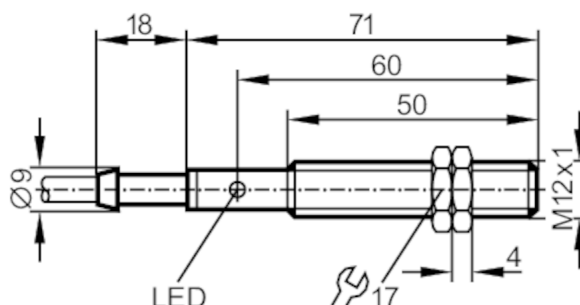
## Inductive sensor

IF-3004-ANOG

Article no longer available - archive entry

Alternative articles: IF5353

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]	4
Housing	Threaded type
Dimensions [mm]	M12 x 1 / L = 71

### Electrical data

Operating voltage [V]	10...55 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
Permanent current rating of switching output DC [mA]	400
Switching frequency DC [Hz]	700
Short-circuit protection	no
Overload protection	no

### Monitoring range

Sensing range [mm]	4
Real sensing range Sr [mm]	$2 \pm 10 \%$
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]	1...15
Switch-point drift [% of Sr]	-10...10

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## Inductive sensor

IF-3004-ANOG

### Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

### Mechanical data

Housing		Threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1 / L = 71
Thread designation		M12 x 1
Material		PBT

### Displays / operating elements

Display	Switching status	1 x LED, yellow
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### Accessories

Items supplied		lock nuts: 2
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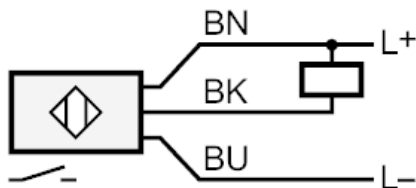
### Remarks

Pack quantity		1 pcs.
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### Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm<sup>2</sup>

### Connection



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