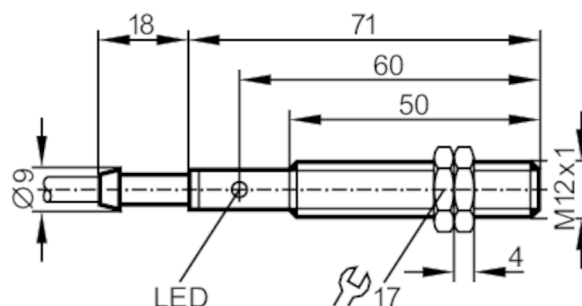




## Inductive sensor

IF-3002-BNOG

Article no longer available - archive entry



## Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	2
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 closed
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]	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 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of $S_r$ ]	1...15
Switch-point drift [% of $S_r$ ]	-10...10

## Operating conditions

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

# IF5003



## Inductive sensor

IF-3002-BNOG

Mechanical data		
Housing		Threaded type
Mounting		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

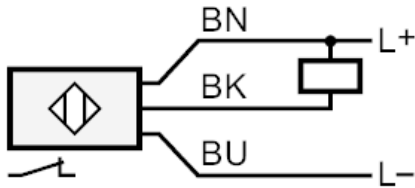
Accessories		
Items supplied		lock nuts: 2

Remarks		
Pack quantity		1 pcs.

### Electrical connection

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

#### Connection



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