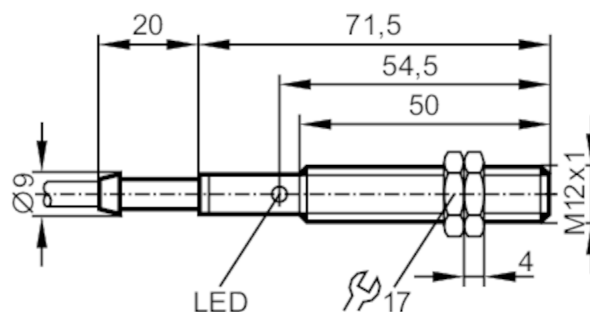




## Inductive sensor

IFA2002-BBOW/ 6m

Article no longer available - archive entry



## Product characteristics

Output function		normally closed
Sensing range	[mm]	2
Housing		Threaded type
Dimensions	[mm]	M12 x 1 / L = 71.5

## Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC
Protection class		II
Reverse polarity protection		no

## Outputs

Output function		normally closed
Max. voltage drop switching output AC	[V]	8.5
Minimum load current	[mA]	8
Max. leakage current	[mA]	2
Permanent current rating of switching output AC	[mA]	200; (250 (...50 °C))
Short-time current rating of switching output	[mA]	900; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Short-circuit proof		no
Overload protection		no

## 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: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10

## Operating conditions

Ambient temperature	[°C]	-25...80
---------------------	------	----------

# IF0024



## Inductive sensor

IFA2002-BBOW/ 6m

Protection	IP 67
------------	-------

### Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	932

### Mechanical data

Housing	Threaded type
Mounting	flush mountable
Dimensions	[mm] M12 x 1 / L = 71.5
Thread designation	M12 x 1
Material	housing: brass white bronze coated; sensing face: PBT

### Displays / operating elements

Display	Switching status	1 x LED, yellow
---------	------------------	-----------------

### Electrical connection

Required protection	miniature fuse to IEC60127-2 sheet 1; $\leq 2$ A; fast acting
---------------------	---

### Accessories

Items supplied	lock nuts: 2
----------------	--------------

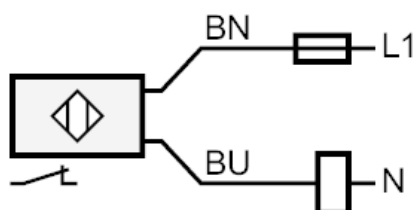
### Remarks

Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	1 pcs.

### Electrical connection

Cable: 6 m, PVC; 2 x 0.5 mm<sup>2</sup>

### Connection



Note miniature fuse to IEC60127-2 sheet 1  $\leq 2$  A fast acting

Core colors :

BN = brown  
BU = blue