

## Inductive sensor

IFA3002-BNOG

Article no longer available - archive entry

Alternative articles: IF5620

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



### Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | NPN             |
| Output function    | normally closed |
| 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 closed |
| 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              |

# IF5011



## Inductive sensor

IFA3002-BNOG

### Detection zone

|                       |      |          |
|-----------------------|------|----------|
| 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 / aluminium: 0.4 / copper: 0.3 |
| Hysteresis         | [X01] | 3...15                                                                      |
| Switch point drift | [X01] | -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                  |
| Materials          |      | brass nickel-plated; PBT |

### Аксесуари

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

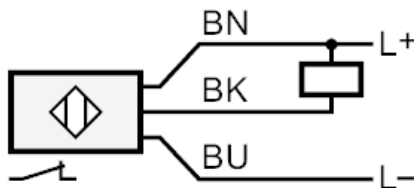
### Remarks

|               |  |        |
|---------------|--|--------|
| 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