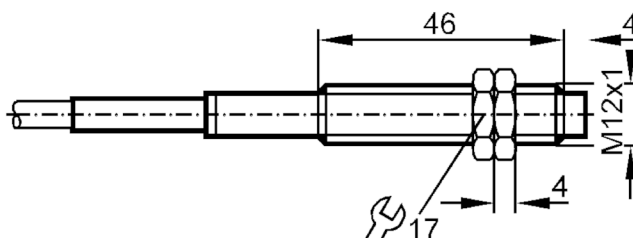


Article no longer available - archive entry

Alternative articles: IF5337

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       |

### 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] | 300           |
| Short-circuit protection                        |      | no            |
| Overload protection                             |      | no            |

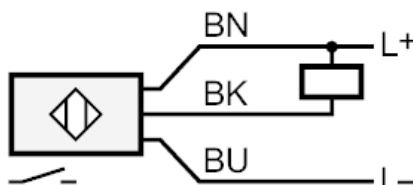
# IF5013



## Inductive sensor

IFA3004-ANOG

| Detection zone                            |           |                                                                             |
|-------------------------------------------|-----------|-----------------------------------------------------------------------------|
| Sensing range                             | [mm]      | 4                                                                           |
| Real sensing range Sr                     | [mm]      | $4 \pm 10 \%$                                                               |
| Operating distance                        | [mm]      | 0...3.25                                                                    |
| Accuracy / deviations                     |           |                                                                             |
| Correction factor                         |           | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 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                                  |           | non-flush mountable                                                         |
| Dimensions                                | [mm]      | M12 x 1                                                                     |
| Thread designation                        |           | M12 x 1                                                                     |
| Materials                                 |           | 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 mm <sup>2</sup> |           |                                                                             |
| Connection                                |           |                                                                             |



BN = brown  
BU = blue  
BK = black