

# IF5228

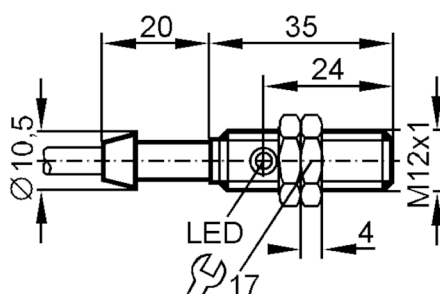


## Inductive sensor

IFB3002-BPKG/MS/ 6m

Article no longer available - archive entry

Alternative article: IF5208 When selecting an alternative article and accessories please note that technical data may differ! – When selecting an alternative article and accessories please note that technical data may differ!



### Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | normally open |
| Sensing range [mm] | 2             |
| Housing            | threaded type |
| Dimensions [mm]    | M12 x 1       |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 18...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Reverse polarity protection | yes        |

### Outputs

|  |                       |
|--|-----------------------|
| Electrical design                                    | PNP                   |
| Output function                                      | normally open         |
| Max. voltage drop switching output DC [V]            | 2.5                   |
| Permanent current rating of switching output DC [mA] | 125; (150 (...50 °C)) |
| Switching frequency DC [Hz]                          | 800                   |
| Short-circuit protection                             | yes                   |
| Type of short-circuit protection                     | pulsed                |
| Overload protection                                  | yes                   |

# IF5228



## Inductive sensor

IFB3002-BPKG/MS/ 6m

| 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: 0.3 / copper: 0.2 |
| 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                      |                  | flush mountable   |
| Dimensions                    | [mm]             | M12 x 1   |
| Thread designation            |                  | M12 x 1   |
| Materials                     |                  | brass nickel-plated; PBT  |
| Displays / operating elements |                  |   |
| Display                       | switching status | 1 x LED, yellow   |
| Accessories                   |                  |   |
| Accessories (supplied)        |                  | lock nuts: 2  |
| Remarks                       |                  |   |
| Pack quantity                 |                  | 1 pcs.  |

# IF5228



## Inductive sensor

IFB3002-BPKG/MS/ 6m

### Electrical connection

Cable: 6 m, PVC; 3 x 0.34 mm<sup>2</sup>

### Connection



Core colours :

BN = brown  
BU = blue  
BK = black

Article no longer available - archive entry

Alternative article: IF5208 When selecting an alternative article and accessories please note that technical data may differ! – When selecting an alternative article and accessories please note that technical data may differ!