

# IF5228



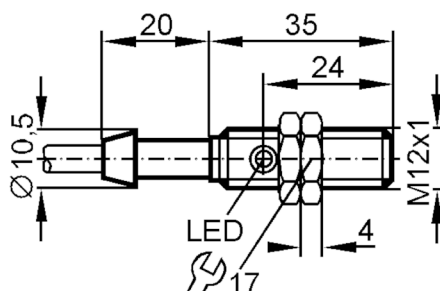
## Inductive sensor

IFB3002-BPKG/MS/ 6m

Article no longer available - archive entry

Alternative articles: IF5208

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                     | yes (non-latching)    |
| Overload protection                                  | yes                   |

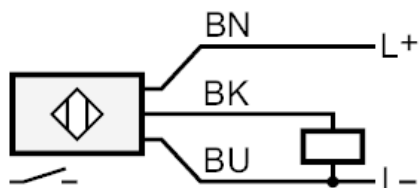
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## Inductive sensor

IFB3002-BPKG/MS/ 6m

| 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]        | 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                                                                    |
| Material                                  |                  | brass nickel-plated; 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: 6 m, PVC; 3 x 0.34 mm <sup>2</sup> |                  |                                                                            |
| Connection                                |                  |                                                                            |



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