

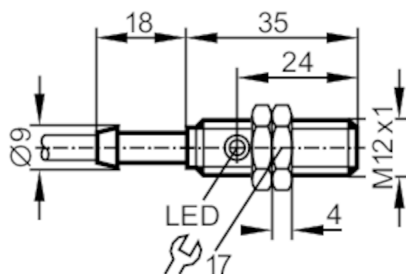
# IF5220



## Inductive sensor

IFB3002-APKG/6M

Article no longer available - archive entry



### Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | PNP              |
| Output function    | normally closed  |
| Sensing range [mm] | 2                |
| Housing            | threaded type    |
| Dimensions [mm]    | M12 x 1 / L = 35 |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | III        |
| Reverse polarity protection | yes        |

### Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | PNP             |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 2.5             |
| Permanent current rating of switching output DC [mA] | 150             |
| Switching frequency DC [Hz]                          | 1500            |
| Short-circuit protection                             | yes             |
| Type of short-circuit protection                     | pulsed          |
| Overload protection                                  | yes             |

### 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                                                                    |

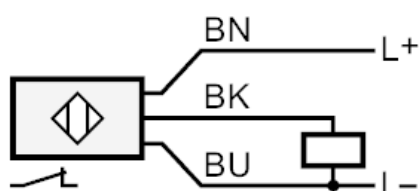
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## Inductive sensor

IFB3002-APKG/6M

| Operating conditions                      |                  |                               |
|-------------------------------------------|------------------|-------------------------------|
| Ambient temperature                       | [°C]             | -25...80                      |
| Protection                                |                  | IP 67                         |
| Tests / approvals                         |                  |                               |
| EMC                                       | EN 60947-5-2     |                               |
|                                           | EN 55011         | class B                       |
| MTTF                                      | [years]          | 2531                          |
| Mechanical data                           |                  |                               |
| Housing                                   |                  | threaded type                 |
| Mounting                                  |                  | flush mountable               |
| Dimensions                                | [mm]             | M12 x 1 / L = 35              |
| Thread designation                        |                  | M12 x 1                       |
| Materials                                 |                  | brass white bronze coated; PC |
| 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 colours :  
BN = brown  
BU = blue  
BK = black