



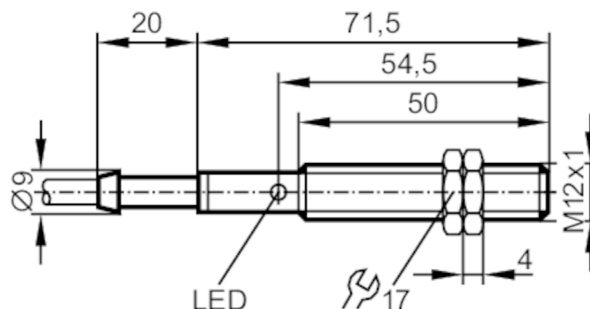
## Inductive sensor

IF-2004-BBOW

Article no longer available - archive entry

Alternative articles: IF0004

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



### Product characteristics

|                 |      |                    |
|-----------------|------|--------------------|
| Output function |      | normally closed    |
| Sensing range   | [mm] | 4                  |
| Housing         |      | threaded type      |
| Dimensions      | [mm] | M12 x 1 / L = 71.5 |

### Electrical data

|                             |      |             |
|-----------------------------|------|-------------|
| Frequency AC                | [Hz] | 47...63     |
| Operating voltage           | [V]  | 20...140 AC |
| Protection class            |      | II          |
| Reverse polarity protection |      | no          |

### Outputs

|                                                 |      |                       |
|-------------------------------------------------|------|-----------------------|
| Output function                                 |      | normally closed       |
| Max. voltage drop switching output AC           | [V]  | 8.5                   |
| Minimum load current                            | [mA] | 8                     |
| Max. leakage current                            | [mA] | 2.5 (140 V AC)        |
| Permanent current rating of switching output AC | [mA] | 200; (250 (...50 °C)) |
| Short-time current rating of switching output   | [mA] | 900; (20 ms / 0,5 Hz) |
| Switching frequency AC                          | [Hz] | 25                    |
| Short-circuit protection                        |      | no                    |
| Overload protection                             |      | no                    |

### Detection zone

|                       |      |          |
|-----------------------|------|----------|
| Sensing range         | [mm] | 4        |
| Real sensing range Sr | [mm] | 4 ± 10 % |
| Operating distance    | [mm] | 0...3.25 |

### Accuracy / deviations

|                   |       |                                                                             |
|-------------------|-------|-----------------------------------------------------------------------------|
| Correction factor |       | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis        | [X01] | 1...15                                                                      |

# IF0221



## Inductive sensor

IF-2004-BBOW

|                    |       |          |
|--------------------|-------|----------|
| Switch point drift | [X01] | -10...10 |
|--------------------|-------|----------|

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
|---------------------|------|----------|

|            |       |
|------------|-------|
| Protection | IP 67 |
|------------|-------|

### Tests / approvals

|     |              |         |
|-----|--------------|---------|
| EMC | EN 60947-5-2 |         |
|     | EN 55011     | class B |

### Mechanical data

|         |               |
|---------|---------------|
| Housing | threaded type |
|---------|---------------|

|          |                     |
|----------|---------------------|
| Mounting | non-flush mountable |
|----------|---------------------|

|            |      |                    |
|------------|------|--------------------|
| Dimensions | [mm] | M12 x 1 / L = 71.5 |
|------------|------|--------------------|

|                    |         |
|--------------------|---------|
| Thread designation | M12 x 1 |
|--------------------|---------|

|           |     |
|-----------|-----|
| Materials | PBT |
|-----------|-----|

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

### Аксессуары

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

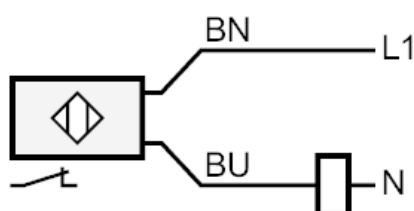
### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm<sup>2</sup>

### Connection



BN = Core colours :  
brown  
BU = blue