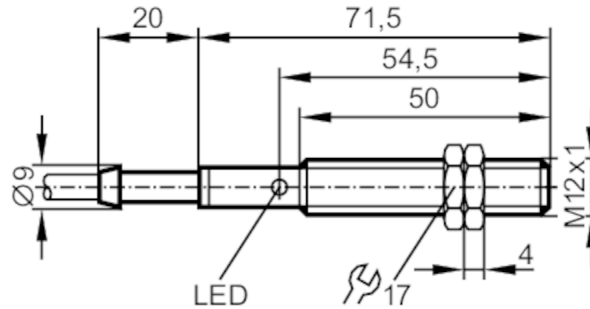


# IF0016



## Inductive sensor

IF-2004-ABOW/10M



### Electrical data

|                             |      |             |
|-----------------------------|------|-------------|
| Frequency AC                | [Hz] | 47...63     |
| Operating voltage           | [V]  | 20...250 AC |
| Protection class            |      | II          |
| Reverse polarity protection |      | no          |

### Outputs

|   |      |                       |
|---|------|-----------------------|
| Output function                                 |      | normally open         |
| Max. voltage drop switching output AC           | [V]  | 8.5                   |
| Minimum load current                            | [mA] | 8                     |
| Max. leakage current                            | [mA] | 2                     |
| 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 proof                             |      | 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         | [% of Sr] | 1...15  |
| Switch point drift | [% of Sr] | -10...10  |

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 67    |

### Tests / approvals

|      |         |              |
|------|---------|--------------|
| EMC  |         | EN 60947-5-2 |
| MTTF | [years] | 932          |

# IF0016



## Inductive sensor

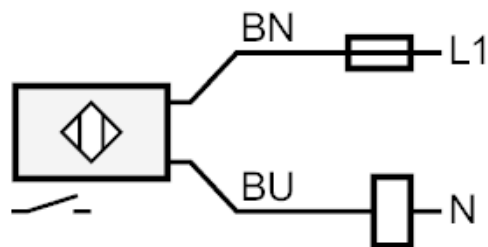
IF-2004-ABOW/10M

| Mechanical data               |   |                     |
|-------------------------------|---|---------------------|
| Weight                        | [g]   | 421                 |
| 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     |
| Electrical connection         |   |                     |
| Required protection           | miniature fuse to IEC60127-2 sheet 1; $\leq 2$ A; fast acting                 |                     |
| Accessories                   |   |                     |
| Accessories (supplied)        | lock nuts: 2  |                     |
| Remarks                       |   |                     |
| Remarks                       | Recommendation: Check the safe functioning of the unit after a short circuit. |                     |
| Pack quantity                 | 1 pcs.  |                     |

### Electrical connection

Cable: 10 m, PVC; 2 x 0.5 mm<sup>2</sup>

### Connection



Note miniature fuse to IEC60127-2 sheet 1  $\leq 2$  A fast acting

Core colours :

BN = brown  
BU = blue