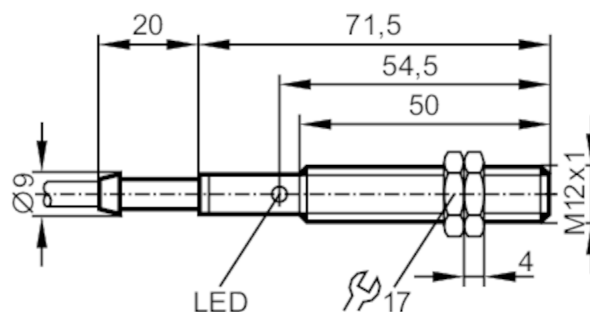




## Inductive sensor

IFA2002-ABOW/6M/PH

Article no longer available - archive entry



### Product characteristics

|                 |      |                    |
|-----------------|------|--------------------|
| Output function |      | normally open      |
| Sensing range   | [mm] | 2                  |
| Housing         |      | threaded type      |
| Dimensions      | [mm] | M12 x 1 / L = 71.5 |

### 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] | 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         | [X01] | 1...15                                                                      |
| Switch point drift | [X01] | -10...10                                                                    |

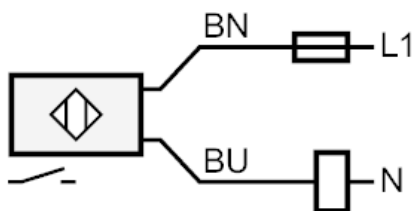
# IF0313



## Inductive sensor

IFA2002-ABOW/6M/PH

| Operating conditions                           |                  |                                                                               |
|------------------------------------------------|------------------|-------------------------------------------------------------------------------|
| Ambient temperature                            | [°C]             | -25...80                                                                      |
| Protection                                     |                  | IP 67                                                                         |
| Tests / approvals                              |                  |                                                                               |
| EMC                                            | EN 60947-5-2     |                                                                               |
|                                                | EN 55011         | class B                                                                       |
| MTTF                                           | [ANN]            | 932                                                                           |
| Mechanical data                                |                  |                                                                               |
| Housing                                        |                  | threaded type                                                                 |
| Mounting                                       |                  | flush mountable                                                               |
| Dimensions                                     | [mm]             | M12 x 1 / L = 71.5                                                            |
| Thread designation                             |                  | M12 x 1                                                                       |
| Materials                                      |                  | housing: brass white bronze coated; sensing face: PBT                         |
| Displays / operating elements                  |                  |                                                                               |
| Display                                        | switching status | 1 x LED, yellow                                                               |
| Electrical connection                          |                  |                                                                               |
| Required protection                            |                  | miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting                      |
| Аксессуары                                     |                  |                                                                               |
| Items 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: 6 m, PUR / PVC; 2 x 0.5 mm <sup>2</sup> |                  |                                                                               |
| Connection                                     |                  |                                                                               |



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting

Core colours :

BN =

brown

BU =

blue