# IF0161

## Inductive sensor

IFA2002-ABOW/SL/ 6m

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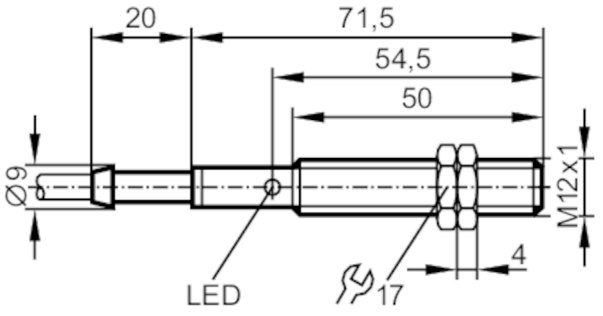


| | | |
|---|---|---|
| **Product characteristics** | | |
| Output function | | normally open |
| Sensing range | [mm] | 2 |
| Housing | | threaded type |
| Dimensions | [mm] | M12 x 1 / L = 71.5 |
| **Electrical data** | | |
| Frequency AC | [Hz] | 47...63 |
| Operating voltage | [V] | 90...250 AC |
| 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] | 3 (250 V AC) / 1.5 (120 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] | 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] | 1...15 |
| Switch point drift | [% of Sr] | -10...10 |
| **Operating conditions** | | |
| Ambient temperature | [°C] | -25...80 |

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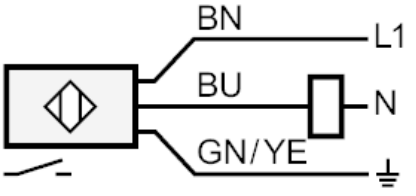
**IFA2002-ABOW/SL/ 6m**

| | | | |
|---|---|---|---|
| Protection | | | IP 67 |
| **Mechanical data** | | | |
| Housing | | | threaded type |
| Mounting | | | flush mountable |
| Dimensions | [mm] | | M12 x 1 / L = 71.5 |
| Thread designation | | | M12 x 1 |
| Materials | | | 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 0.5 mm²

Connection




| | |
|---|---|
| | Core colours : |
| BN = | brown |
| BU = | blue |
| GN/YE = | green/yellow |