

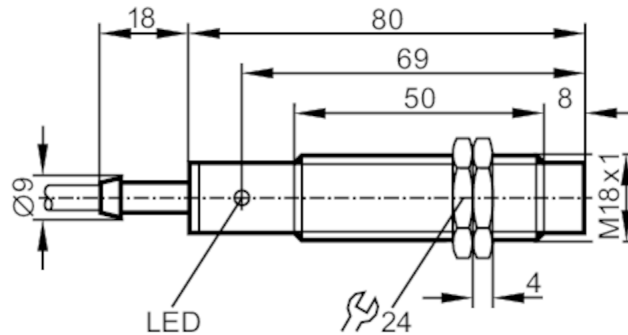
# IG0055



## Inductive sensor

IGA2008-ABOA/10m

Article no longer available - archive entry



### Product characteristics

|                 |      |                  |
|-----------------|------|------------------|
| Output function |      | normally open    |
| Sensing range   | [mm] | 8                |
| Housing         |      | threaded type    |
| Dimensions      | [mm] | M18 x 1 / L = 80 |

### Electrical data

|                             |     |                |
|-----------------------------|-----|----------------|
| Operating voltage           | [V] | 20...250 AC/DC |
| Protection class            |     | II             |
| Reverse polarity protection |     | no             |

### Outputs

|   |      |   |
|---|------|---|
| Output function                                 |      | normally open                                   |
| Max. voltage drop switching output DC           | [V]  | 6   |
| Max. voltage drop switching output AC           | [V]  | 6.5   |
| Minimum load current                            | [mA] | 5   |
| Max. leakage current                            | [mA] | 2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC) |
| Permanent current rating of switching output AC | [mA] | 250; (350 (...50 °C))                           |
| Permanent current rating of switching output DC | [mA] | 100   |
| Short-time current rating of switching output   | [mA] | 2200; (20 ms / 0,5 Hz)                          |
| Switching frequency AC                          | [Hz] | 25  |
| Switching frequency DC                          | [Hz] | 50  |
| Short-circuit proof                             |      | no  |
| Overload protection                             |      | no  |

### Detection zone

|                       |      |          |
|-----------------------|------|----------|
| Sensing range         | [mm] | 8        |
| Real sensing range Sr | [mm] | 8 ± 10 % |
| Operating distance    | [mm] | 0...6.5  |

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| 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  |                 |
|                               | EN 55011  | class B         |
| MTTF [years]                  | 604   |                 |
| Mechanical data               |   |                 |
| Housing                       | threaded type   |                 |
| Mounting                      | non-flush mountable   |                 |
| Dimensions [mm]               | M18 x 1 / L = 80  |                 |
| Thread designation            | M18 x 1   |                 |
| Materials                     | 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                      |                 |
| Accessories                   |   |                 |
| Items supplied                | lock nuts: 2  |                 |
| Remarks                       |   |                 |
| Remarks                       | Recommendation: Check the safe functioning of the unit after a short circuit. |                 |
| Pack quantity                 | 1 pcs.  |                 |

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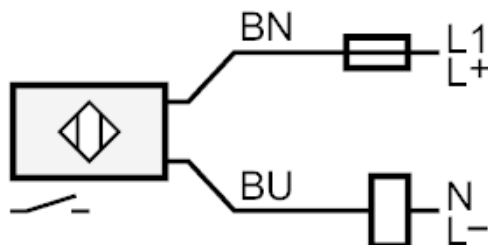
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### Electrical connection

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