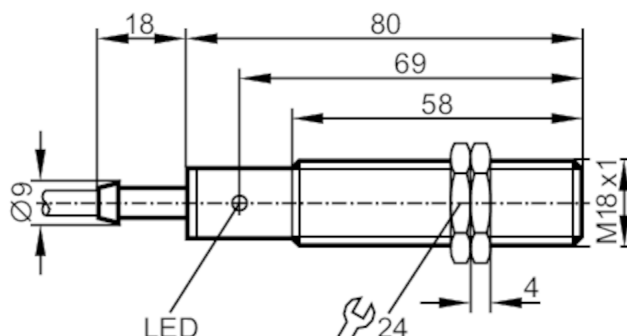


## Inductive sensor

IG-2008-BBOA/1,2M

Article no longer available - archive entry



### Product characteristics

|                 |      |                  |
|-----------------|------|------------------|
| Output function |      | normally closed  |
| 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 closed                                 |
| 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

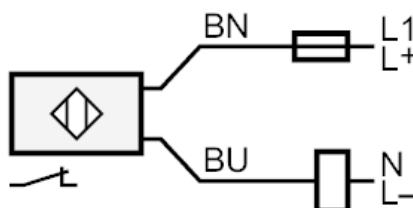
|                       |      |          |
|-----------------------|------|----------|
| Sensing range         | [mm] | 8        |
| Real sensing range Sr | [mm] | 8 ± 10 % |
| Operating distance    | [mm] | 0...6.5  |



## Inductive sensor

IG-2008-BBOA/1,2M

| 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                      |           |                                                                             | 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.                                                                        |
| Electrical connection          |           |                                                                             |                                                                               |
| Cable: 1.2 m, PVC; 2 x 0.5 mm² |           |                                                                             |                                                                               |
| Connection                     |           |                                                                             |                                                                               |



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

Core colours :

BN = brown  
BU = blue