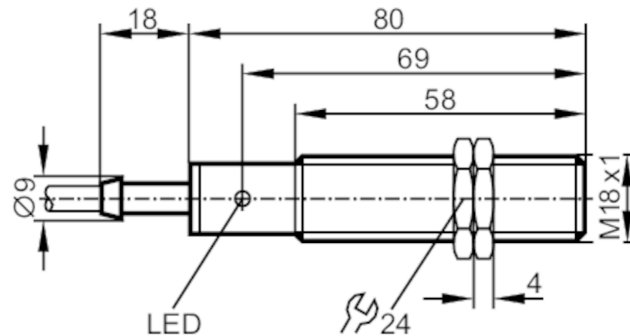




## Inductive sensor

IG-3008-BNKG/20m

Article no longer available - archive entry



### Product characteristics

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

### Electrical data

|                             |      |            |
|-----------------------------|------|------------|
| Operating voltage           | [V]  | 10...36 DC |
| Current consumption         | [mA] | 15; (24 V) |
| Protection class            |      | II         |
| Reverse polarity protection |      | yes        |

### Outputs

|   |      |                 |
|---|------|-----------------|
| Electrical design                               |      | NPN             |
| Output function                                 |      | normally closed |
| Max. voltage drop switching output DC           | [V]  | 2.5             |
| Permanent current rating of switching output DC | [mA] | 250             |
| Switching frequency DC                          | [Hz] | 300             |
| Short-circuit protection                        |      | yes             |
| Type of short-circuit protection                |      | pulsed          |
| Overload protection                             |      | yes             |

### Detection zone

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

### 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  |

# IG5392

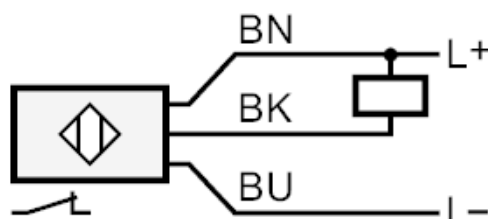


## Inductive sensor

IG-3008-BNKG/20m

| Operating conditions                      |                  |                     |
|---|------------------|---------------------|
| Ambient temperature                       | [°C]             | -25...80            |
| Protection                                |                  | IP 67               |
| Tests / approvals                         |                  |                     |
| EMC                                       |                  | EN 60947-5-2        |
| 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     |
| Accessories                               |                  |                     |
| Accessories (supplied)                    |                  | lock nuts: 2        |
| Remarks                                   |                  |                     |
| Pack quantity                             |                  | 1 pcs.              |
| Electrical connection                     |                  |                     |
| Cable: 20 m, PVC; 3 x 0.5 mm <sup>2</sup> |                  |                     |

### Connection



Core colours :

- BN = brown
- BU = blue
- BK = black

Article no longer available - archive entry