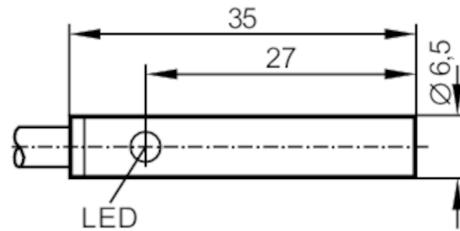




## Inductive sensor

ITB2001-AROG/6M

Article no longer available - archive entry



### Product characteristics

|                   |      |                |
|-------------------|------|----------------|
| Electrical design |      | PNP/NPN        |
| Output function   |      | normally open  |
| Sensing range     | [mm] | 1              |
| Housing           |      | cylindrical    |
| Dimensions        | [mm] | Ø 6.5 / L = 35 |

### Electrical data

|                             |     |            |
|-----------------------------|-----|------------|
| Operating voltage           | [V] | 10...36 DC |
| Protection class            |     | III        |
| Reverse polarity protection |     | no         |

### Outputs

|   |      |               |
|---|------|---------------|
| Electrical design                               |      | PNP/NPN       |
| Output function                                 |      | normally open |
| Max. voltage drop switching output DC           | [V]  | 2.6           |
| Minimum load current                            | [mA] | 4             |
| Max. leakage current                            | [mA] | 0.8           |
| Permanent current rating of switching output DC | [mA] | 200           |
| Switching frequency DC                          | [Hz] | 900           |
| Short-circuit protection                        |      | no            |
| Overload protection                             |      | no            |

### Detection zone

|                          |      |              |
|--------------------------|------|--------------|
| Sensing range            | [mm] | 1            |
| Real sensing range $S_r$ | [mm] | $1 \pm 10\%$ |
| Operating distance       | [mm] | 0...0.8      |

### Accuracy / deviations

|                    |               |   |
|--------------------|---------------|---|
| Correction factor  |               | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis         | [% of $S_r$ ] | 1...15  |
| Switch point drift | [% of $S_r$ ] | -10...10  |

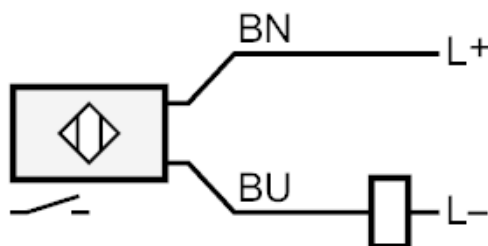
# IT5032



## Inductive sensor

ITB2001-AROG/6M

| Operating conditions                      |                  |                                |
|---|------------------|--------------------------------|
| Ambient temperature                       | [°C]             | -25...80                       |
| Protection                                |                  | IP 67                          |
| Tests / approvals                         |                  |                                |
| EMC                                       | EN 60947-5-2     |                                |
|   | EN 55011         | class B                        |
| MTTF                                      | [years]          | 4603                           |
| Mechanical data                           |                  |                                |
| Housing                                   |                  | cylindrical                    |
| Mounting                                  |                  | flush mountable                |
| Dimensions                                | [mm]             | Ø 6.5 / L = 35                 |
| Materials                                 |                  | brass white bronze coated; PBT |
| Displays / operating elements             |                  |                                |
| Display                                   | switching status | 1 x LED, yellow                |
| Accessories                               |                  |                                |
| Accessories (supplied)                    |                  | Mounting clamps: 1             |
| Remarks                                   |                  |                                |
| Pack quantity                             |                  | 1 pcs.                         |
| Electrical connection                     |                  |                                |
| Cable: 2 m, PVC; 3 x 0.14 mm <sup>2</sup> |                  |                                |
| Connection                                |                  |                                |



Core colours :

BN = brown

BU = blue

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