

# IT5028



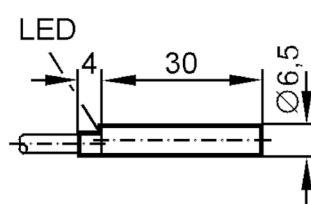
## Inductive sensor

ITB31,5-BPKG/V2A

Article no longer available - archive entry

Alternative articles: IT5036

When selecting an alternative article and accessories please note that technical data may differ!



### Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | normally open |
| Sensing range [mm] | 1.5           |
| Housing            | cylindrical   |
| Dimensions [mm]    | Ø 6.5         |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...30 DC |
| Current consumption [mA]    | < 9.5      |
| Reverse polarity protection | yes        |

### Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 1.8           |
| Permanent current rating of switching output DC [mA] | 100           |
| Switching frequency DC [Hz]                          | 5000          |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |



## Inductive sensor

ITB31,5-BPKG/V2A

|                               |                                                                              |                 |
|-------------------------------|------------------------------------------------------------------------------|-----------------|
| Overload protection           | yes                                                                          |                 |
| Detection zone                |                                                                              |                 |
| Sensing range                 | [mm]                                                                         | 1.5             |
| Real sensing range Sr         | [mm]                                                                         | 1.5 ± 10 %      |
| Operating distance            | [mm]                                                                         | 0...1.2         |
| Accuracy / deviations         |                                                                              |                 |
| Correction factor             | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.25 |                 |
| Hysteresis                    | [X01]                                                                        | 1...10          |
| Switch point drift            | [X01]                                                                        | -10...10        |
| Operating conditions          |                                                                              |                 |
| Ambient temperature           | [°C]                                                                         | -25...70        |
| Protection                    | IP 67                                                                        |                 |
| Tests / approvals             |                                                                              |                 |
| EMC                           | EN 60947-5-2                                                                 |                 |
|                               | EN 55011                                                                     | class B         |
| Mechanical data               |                                                                              |                 |
| Weight                        | [g]                                                                          | 56.6            |
| Housing                       | cylindrical                                                                  |                 |
| Mounting                      | flush mountable                                                              |                 |
| Dimensions                    | [mm]                                                                         | Ø 6.5           |
| Materials                     | stainless steel (1.4305 / 303); PA 12-GF30                                   |                 |
| Displays / operating elements |                                                                              |                 |
| Display                       | switching status                                                             | 1 x LED, yellow |
| Аксессуары                    |                                                                              |                 |
| Items supplied                | кріпильні хомути: 1                                                          |                 |
| Remarks                       |                                                                              |                 |
| Pack quantity                 | 1 pcs.                                                                       |                 |

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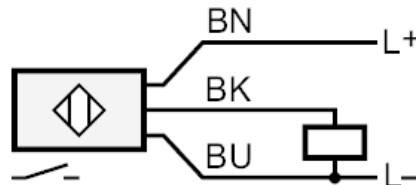
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ITB31,5-BPKG/V2A

### Electrical connection

Cable: 2 m, PVC; highly flexible; 3 x 0.25 mm<sup>2</sup>

### Connection



|      |                |
|------|----------------|
| BN = | Core colours : |
| BU = | brown          |
| BK = | blue           |
|      | black          |