



## Inductive sensor

IZB30,8-BPKG/V2A



### Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | normally open |
| Sensing range [mm] | 0.8           |
| Housing            | cylindrical   |
| Dimensions [mm]    | Ø 4 / L = 30  |

### Electrical data

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

### Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Permanent current rating of switching output DC [mA] | 100           |
| Switching frequency DC [Hz]                          | 2000          |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

### Detection zone

|                               |                |
|-------------------------------|----------------|
| Sensing range [mm]            | 0.8            |
| Real sensing range $S_r$ [mm] | $0.8 \pm 10\%$ |
| Operating distance [mm]       | 0...0.65       |

### Accuracy / deviations

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| Correction factor                | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |
| Hysteresis [% of $S_r$ ]         | 1...15                                                                      |
| Switch point drift [% of $S_r$ ] | -10...10                                                                    |

### Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...70 |
| Protection               | IP 65    |

### Tests / approvals

|     |              |
|-----|--------------|
| EMC | EN 60947-5-2 |
|-----|--------------|

# IZ5026



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|             |                |             |
|-------------|----------------|-------------|
| MTTF        | [years]        | 953         |
| UL approval | Ta             | -25...70 °C |
|             | Enclosure type | Type 1      |
|             | power supply   | Class 2     |
|             | File number UL | E174191     |

### Mechanical data

|            |      |                                                          |
|------------|------|----------------------------------------------------------|
| Weight     | [g]  | 45.6                                                     |
| Housing    |      | cylindrical                                              |
| Mounting   |      | flush mountable                                          |
| Dimensions | [mm] | Ø 4 / L = 30                                             |
| Materials  |      | housing: stainless steel (303/1.4305); sensing face: POM |

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

### Accessories

|                |                    |
|----------------|--------------------|
| Items supplied | Mounting clamps: 1 |
|----------------|--------------------|

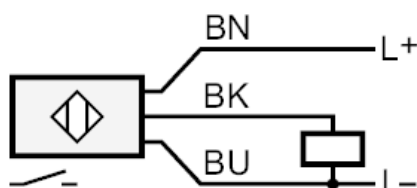
### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection

Cable: 2 m, PVC; 3 x 0.14 mm<sup>2</sup>

### Connection



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