



## 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 [X01]         | 1...15                                                                      |
| Switch point drift [X01] | -10...10                                                                    |

### Operating conditions

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

# IZ5026



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### Tests / approvals

|             |                           |                   |
|-------------|---------------------------|-------------------|
| EMC         | EN 61000-4-2 ESD          | 4 kV CD / 8 kV AD |
|             | EN 61000-4-3 HF radiated  | 3 V/m             |
|             | EN 61000-4-4 Burst        | 2 kV              |
|             | EN 61000-4-6 HF conducted | 3 V               |
|             | EN 55011                  | class B           |
| MTTF        | [ANN]                     | 2053              |
| UL approval | Ta                        | -25...70 °C       |
|             | Enclosure type            | Type 1            |
|             | подача напруги            | Class 2           |
|             | File number UL            | E174191           |

### Mechanical data

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

### Displays / operating elements

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

### Аксессуары

|                |                     |
|----------------|---------------------|
| Items supplied | кріпильні хомути: 1 |
|----------------|---------------------|

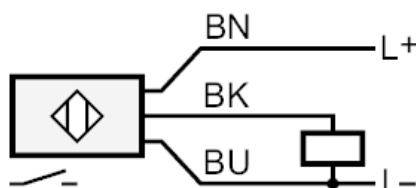
### Remarks

|               |        |
|---------------|--------|
| 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           |
| BK = | black          |