



## Inductive sensor

IZB30,8-ANKG/V2A



### Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | NPN           |
| Output function    | normally open |
| Sensing range [mm] | 0.8           |
| Housing            | tubular       |
| 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                                    | NPN                |
| 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                     | yes (non-latching) |
| Overload protection                                  | yes                |

### Monitoring range

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

### Accuracy / deviations

|                              |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| Correction factor            | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.2 |
| Hysteresis [% of Sr]         | 1...15                                                                     |
| Switch-point drift [% of Sr] | -10...10                                                                   |

### Operating conditions

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

# IZ5032



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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        | [years]                   | 2162              |
| UL approval | Ta                        | -25...70 °C       |
|             | Enclosure type            | Type 1            |
|             | voltage supply            | Class 2           |
|             | File number UL            | E174191           |

### Mechanical data

|            |      |                                                   |
|------------|------|---------------------------------------------------|
| Weight     | [g]  | 45.4                                              |
| Housing    |      | tubular                                           |
| Mounting   |      | flush mountable                                   |
| Dimensions | [mm] | Ø 4 / L = 30                                      |
| Material   |      | stainless steel (1.4305 / 303); sensing face: POM |

### Displays / operating elements

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

### Accessories

|                |                   |
|----------------|-------------------|
| Items supplied | Mounting clamp: 1 |
|----------------|-------------------|

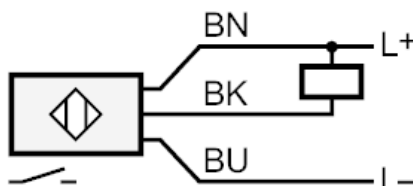
### Remarks

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

### Electrical connection

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

### Connection



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