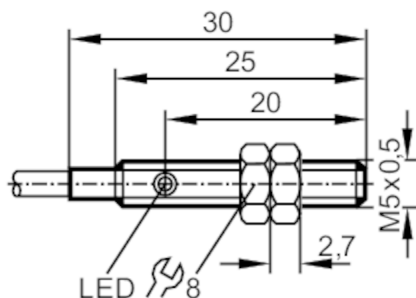




## Inductive sensor

IYB30,8-BNOG

Article no longer available - archive entry



### Product characteristics

|                    |                   |
|--------------------|-------------------|
| Electrical design  | NPN               |
| Output function    | normally closed   |
| Sensing range [mm] | 0.8               |
| Housing            | threaded type     |
| Dimensions [mm]    | M5 x 0.5 / L = 30 |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 10; (24 V) |
| Reverse polarity protection | no         |

### Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | NPN             |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 1               |
| Permanent current rating of switching output DC [mA] | 200             |
| Switching frequency DC [Hz]                          | 800             |
| Short-circuit protection                             | no              |
| Overload protection                                  | no              |

### 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: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis [X01]         | 1...15                                                                      |
| Switch point drift [X01] | -10...10                                                                    |

### Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...50 |
|--------------------------|----------|

# IY5004



## Inductive sensor

IYB30,8-BNOG

|            |       |
|------------|-------|
| Protection | IP 65 |
|------------|-------|

### Tests / approvals

|     |              |         |
|-----|--------------|---------|
| EMC | EN 60947-5-2 |         |
|     | EN 55011     | class B |

### Mechanical data

|                    |                          |
|--------------------|--------------------------|
| Housing            | threaded type            |
| Mounting           | flush mountable          |
| Dimensions [mm]    | M5 x 0.5 / L = 30        |
| Thread designation | M5 x 0.5                 |
| Materials          | brass nickel-plated; PBT |

### Displays / operating elements

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

### Аксессуары

|                |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |
|----------------|--------------|

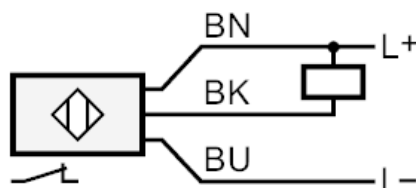
### Remarks

|               |        |
|---------------|--------|
| 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