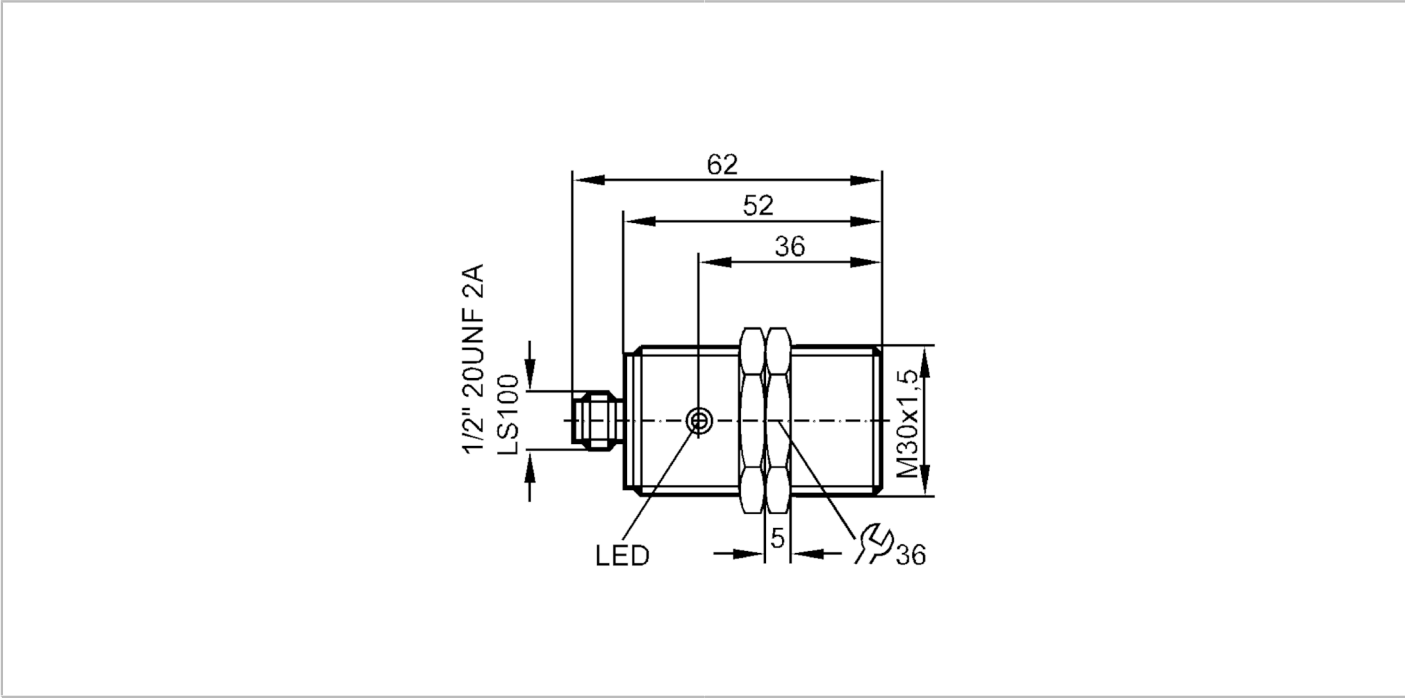




Inductive sensor

IIB2010-BBOW/SL/LS-100AK

Article no longer available - archive entry



| Product characteristics                         |      |                       |
|-------------------------------------------------|------|-----------------------|
| Output function                                 |      | normally closed       |
| Sensing range                                   | [mm] | 10                    |
| Housing                                         |      | threaded type         |
| Dimensions                                      | [mm] | M30 x 1.5             |
| Electrical data                                 |      |                       |
| Frequency AC                                    | [Hz] | 47...63               |
| Operating voltage                               | [V]  | 80...140 AC           |
| Reverse polarity protection                     |      | no                    |
| Outputs                                         |      |                       |
| Output function                                 |      | normally closed       |
| Max. voltage drop switching output AC           | [V]  | 8.5                   |
| Minimum load current                            | [mA] | 5                     |
| Max. leakage current                            | [mA] | 1.7                   |
| Permanent current rating of switching output AC | [mA] | 200                   |
| Short-time current rating of switching output   | [mA] | 900; (20 ms / 0,5 Hz) |
| Switching frequency AC                          | [Hz] | 20                    |
| Short-circuit protection                        |      | no                    |
| Overload protection                             |      | no                    |
| Detection zone                                  |      |                       |
| Sensing range                                   | [mm] | 10                    |

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|                       |      |           |
|-----------------------|------|-----------|
| Real sensing range Sr | [mm] | 10 ± 10 % |
| Operating distance    | [mm] | 0...8.1   |

**Accuracy / deviations**

|                    |                                                                             |          |
|--------------------|-----------------------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |          |
| Hysteresis         | [X01]                                                                       | 3...15   |
| Switch point drift | [X01]                                                                       | -10...10 |

**Operating conditions**

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 65    |

**Tests / approvals**

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

**Mechanical data**

|                    |      |                          |
|--------------------|------|--------------------------|
| Housing            |      | threaded type            |
| Mounting           |      | flush mountable          |
| Dimensions         | [mm] | M30 x 1.5                |
| Thread designation |      | M30 x 1.5                |
| 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 - plug**

Connector: 1 x 1/2"; coding: C



# II0238



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### Connection

