

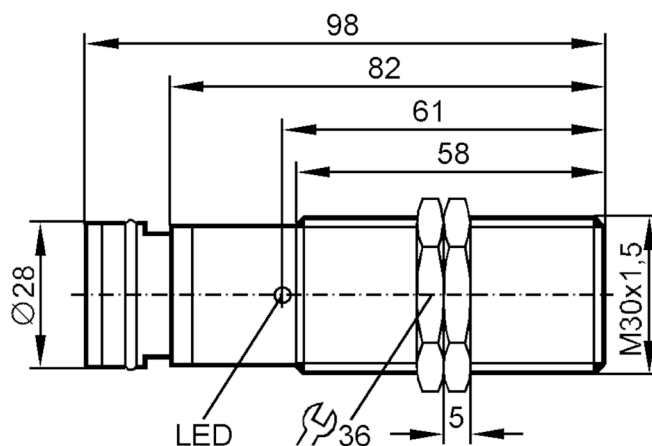
## Inductive sensor

IIA2010-BBOA/TS-600-A

Article no longer available - archive entry

Alternative articles: II0225

When selecting an alternative article and accessories please note that technical data may differ!



## Product characteristics

|                 |      |               |
|-----------------|------|---------------|
| Output function |      | normally open |
| Sensing range   | [mm] | 10            |
| Housing         |      | threaded type |
| Dimensions      | [mm] | M30 x 1.5     |

## Electrical data

|                             |     |                |
|-----------------------------|-----|----------------|
| Operating voltage           | [V] | 20...250 AC/DC |
| Protection class            |     | II             |
| Reverse polarity protection |     | no             |

## Outputs

|                                                 |      |                                                 |
|-------------------------------------------------|------|-------------------------------------------------|
| Output function                                 |      | normally open                                   |
| Max. voltage drop switching output DC           | [V]  | 6                                               |
| Max. voltage drop switching output AC           | [V]  | 6.5                                             |
| Minimum load current                            | [mA] | 5                                               |
| Max. leakage current                            | [mA] | 2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC) |
| Permanent current rating of switching output AC | [mA] | 250; (350 (...50 °C))                           |
| Permanent current rating of switching output DC | [mA] | 100                                             |

**Inductive sensor**

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|                                               |      |                        |
|-----------------------------------------------|------|------------------------|
| Short-time current rating of switching output | [mA] | 2200; (20 ms / 0,5 Hz) |
| Switching frequency AC                        | [Hz] | 25                     |
| Switching frequency DC                        | [Hz] | 30                     |
| Short-circuit protection                      |      | no                     |
| Overload protection                           |      | no                     |

**Detection zone**

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

**Accuracy / deviations**

|                    |       |                                                                             |
|--------------------|-------|-----------------------------------------------------------------------------|
| Correction factor  |       | steel: 1 / stainless steel: 0.7 / brass: 0.4 / 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; PC |

**Displays / operating elements**

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

**Аксессуары**

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

**Remarks**

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

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### Electrical connection - plug

Connector: 1 x Ø 28 mm; coding: A

