

## Inductive sensor

IIA3010-BNKG/TS-600-ANO

Article no longer available - archive entry



## Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | NPN             |
| Output function    | normally closed |
| Sensing range [mm] | 10              |
| Housing            | threaded type   |
| Dimensions [mm]    | M30 x 1.5       |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | < 15       |
| Protection class            | III        |
| Reverse polarity protection | yes        |

## Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | NPN             |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 2.5             |
| Permanent current rating of switching output DC [mA] | 250             |
| Switching frequency DC [Hz]                          | 450             |
| Short-circuit protection                             | yes             |
| Type of short-circuit protection                     | pulsed          |
| Overload protection                                  | yes             |

## Detection zone

|                    |    |
|--------------------|----|
| Sensing range [mm] | 10 |
|--------------------|----|

**Inductive sensor**

IIA3010-BNKG/TS-600-ANO

|                          |      |                |
|--------------------------|------|----------------|
| Real sensing range $S_r$ | [mm] | $10 \pm 10 \%$ |
| 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         | [% of $S_r$ ] | 3...15                                                                      |
| Switch point drift | [% of $S_r$ ] | -10...10                                                                    |

**Operating conditions**

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

**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 |
|---------|------------------|-----------------|

**Accessories**

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

**Remarks**

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

**Electrical connection - plug**

Connector: 1 x Ø 28 mm; coding: A

**Connection**