

## Inductive sensor

IGA2008-BBOA/SL/TS-600-A

Article no longer available - archive entry



## Product characteristics

|                 |      |                 |
|-----------------|------|-----------------|
| Output function |      | normally closed |
| Sensing range   | [mm] | 8               |
| Housing         |      | threaded type   |
| Dimensions      | [mm] | M18 x 1         |

## Electrical data

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

## Outputs

|                                                 |      |                                                 |
|-------------------------------------------------|------|-------------------------------------------------|
| Output function                                 |      | normally closed                                 |
| 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                                             |
| Short-time current rating of switching output   | [mA] | 2200; (20 ms / 0,5 Hz)                          |
| Switching frequency AC                          | [Hz] | 25                                              |
| Switching frequency DC                          | [Hz] | 50                                              |

**Inductive sensor**

IGA2008-BBOA/SL/TS-600-A

|                               |                                                                             |                 |
|-------------------------------|-----------------------------------------------------------------------------|-----------------|
| Short-circuit protection      |                                                                             | no              |
| Overload protection           |                                                                             | no              |
| Detection zone                |                                                                             |                 |
| Sensing range                 | [mm]                                                                        | 8               |
| Real sensing range Sr         | [mm]                                                                        | 8 ± 10 %        |
| Operating distance            | [mm]                                                                        | 0...6.5         |
| Accuracy / deviations         |                                                                             |                 |
| Correction factor             | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |                 |
| Hysteresis                    | [% of Sr]                                                                   | 1...15          |
| Switch point drift            | [% of Sr]                                                                   | -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                      | non-flush mountable                                                         |                 |
| Dimensions                    | [mm]                                                                        | M18 x 1         |
| Thread designation            | M18 x 1                                                                     |                 |
| Materials                     | brass nickel-plated; PBT                                                    |                 |
| Displays / operating elements |                                                                             |                 |
| Display                       | switching status                                                            | 1 x LED, yellow |
| Accessories                   |                                                                             |                 |
| Items supplied                | lock nuts: 2                                                                |                 |
| Remarks                       |                                                                             |                 |
| Pack quantity                 | 1 pcs.                                                                      |                 |

## Inductive sensor

IGA2008-BBOA/SL/TS-600-A

### Electrical connection - plug

Connector: 1 x Ø 28 mm; coding: A

