

## Inductive sensor

IGA3008-ANKG/0,983M/PH/US100

Article no longer available - archive entry

Alternative articles: IG5381

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



### Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | NPN              |
| Output function    | normally open    |
| Sensing range [mm] | 8                |
| Housing            | threaded type    |
| Dimensions [mm]    | M18 x 1 / L = 80 |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | yes        |

### Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | NPN           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Permanent current rating of switching output DC [mA] | 250           |
| Switching frequency DC [Hz]                          | 400           |
| Short-circuit protection                             | yes           |
| Type of short-circuit protection                     | pulsed        |
| Overload protection                                  | yes           |

### Detection zone

|                            |          |
|----------------------------|----------|
| Sensing range [mm]         | 8        |
| Real sensing range Sr [mm] | 8 ± 10 % |
| Operating distance [mm]    | 0...6.5  |



## Inductive sensor

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| Accuracy / deviations         |                                                                              |                  |
|-------------------------------|------------------------------------------------------------------------------|------------------|
| Correction factor             | steel: 1 / stainless steel: 0.8 / brass: 0.5 / aluminium: 0.47 / copper: 0.4 |                  |
| Hysteresis                    | [X01]                                                                        | 1...15           |
| Switch point drift            | [X01]                                                                        | -10...10         |
| Operating conditions          |                                                                              |                  |
| Ambient temperature           | [°C]                                                                         | -25...80         |
| Protection                    | IP 67                                                                        |                  |
| Tests / approvals             |                                                                              |                  |
| EMC                           | EN 60947-5-2                                                                 |                  |
| Mechanical data               |                                                                              |                  |
| Housing                       | threaded type                                                                |                  |
| Mounting                      | non-flush mountable                                                          |                  |
| Dimensions                    | [mm]                                                                         | M18 x 1 / L = 80 |
| Thread designation            | M18 x 1                                                                      |                  |
| Materials                     | brass white bronze coated; PPE; sensing face: PC                             |                  |
| Displays / operating elements |                                                                              |                  |
| Display                       | switching status                                                             | 1 x LED, yellow  |
| Аксессуары                    |                                                                              |                  |
| Items supplied                | lock nuts: 2                                                                 |                  |
| Remarks                       |                                                                              |                  |
| Pack quantity                 | 1 pcs.                                                                       |                  |
| Electrical connection - plug  |                                                                              |                  |
| Cable: 0.983 m, PUR           |                                                                              |                  |
| Connector: 1 x M12; coding: A |                                                                              |                  |



## Connection

