

# IG5023



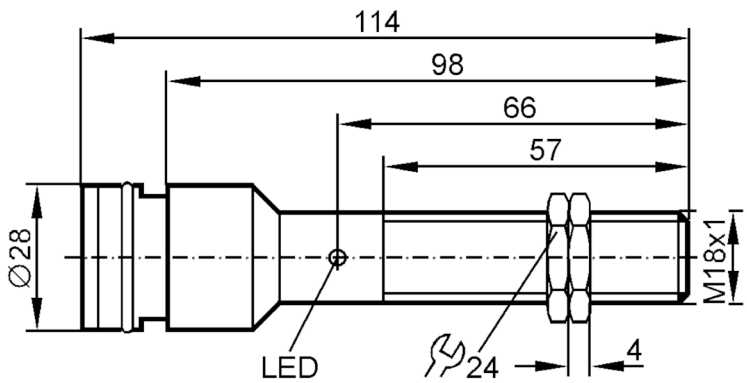
## Inductive sensor

IGA3005LBNOG/TS-600-ANO

Article no longer available - archive entry

Alternative articles: IG5574

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



### Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | NPN             |
| Output function    | normally closed |
| Sensing range [mm] | 5               |
| Housing            | Threaded type   |
| Dimensions [mm]    | M18 x 1         |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Reverse polarity protection | no         |

### Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | NPN             |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 1               |
| Permanent current rating of switching output DC [mA] | 250             |
| Switching frequency DC [Hz]                          | 200             |
| Short-circuit protection                             | no              |
| Overload protection                                  | no              |

### Monitoring range

|                    |   |
|--------------------|---|
| Sensing range [mm] | 5 |
|--------------------|---|

# IG5023



## Inductive sensor

IGA3005LBNOG/TS-600-ANO

|                          |      |               |
|--------------------------|------|---------------|
| Real sensing range $S_r$ | [mm] | $5 \pm 10 \%$ |
| Operating distance       | [mm] | 0...4.05      |

### Accuracy / deviations

|                    |                                                                            |          |
|--------------------|----------------------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 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] | M18 x 1                  |
| Thread designation |      | M18 x 1                  |
| Material           |      | 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. |
|---------------|--------|

### Electrical connection - plug

Connector: 1 x Ø 28 mm; coding: A



### Connection

