



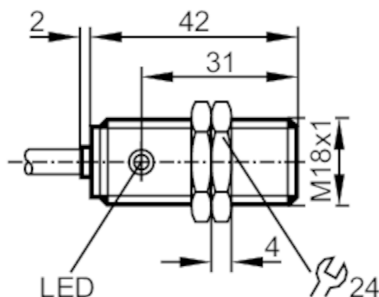
## Inductive sensor

IGB2005-ARKG/UP/6M

Article no longer available - archive entry

Alternative articles: IG6059

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



## Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | PNP/NPN          |
| Output function    | normally open    |
| Sensing range [mm] | 5                |
| Housing            | Threaded type    |
| Dimensions [mm]    | M18 x 1 / L = 42 |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Protection class            | II         |
| Reverse polarity protection | yes        |

## Outputs

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Electrical design                                    | PNP/NPN            |
| Output function                                      | normally open      |
| Max. voltage drop switching output DC [V]            | 4.6                |
| Minimum load current [mA]                            | 4                  |
| Max. leakage current [mA]                            | 0.6                |
| Permanent current rating of switching output DC [mA] | 150                |
| Switching frequency DC [Hz]                          | 720                |
| Short-circuit protection                             | yes                |
| Type of short-circuit protection                     | yes (non-latching) |
| Overload protection                                  | yes                |

## Monitoring range

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



## Inductive sensor

IGB2005-ARKG/UP/6M

| Accuracy / deviations         |                                                                            |                  |
|-------------------------------|----------------------------------------------------------------------------|------------------|
| Correction factor             | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 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 67                                                                      |                  |
| Tests / approvals             |                                                                            |                  |
| EMC                           | EN 60947-5-2                                                               | class B          |
|                               | EN 55011                                                                   |                  |
| MTTF                          | [years]                                                                    | 2642             |
| Mechanical data               |                                                                            |                  |
| Weight                        | [g]                                                                        | 0.33             |
| Housing                       | Threaded type                                                              |                  |
| Mounting                      | flush mountable                                                            |                  |
| Dimensions                    | [mm]                                                                       | M18 x 1 / L = 42 |
| Thread designation            | M18 x 1                                                                    |                  |
| Material                      | brass white bronze coated; PBT                                             |                  |
| Displays / operating elements |                                                                            |                  |
| Display                       | Switching status                                                           | 1 x LED, yellow  |
| Accessories                   |                                                                            |                  |
| Items supplied                | lock nuts: 2                                                               |                  |
| Remarks                       |                                                                            |                  |
| Pack quantity                 | 1 pcs.                                                                     |                  |
| Electrical connection         |                                                                            |                  |
| Cable: 6 m, PVC; 2 x 0.5 mm²  |                                                                            |                  |
| Connection                    |                                                                            |                  |

