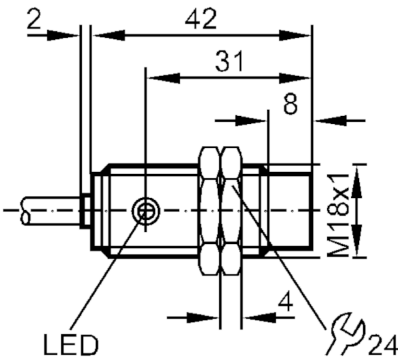


# IG5715



## Inductive sensor

IGB2008-ARKG/UP



| Product characteristics                         |      |               |
|-------------------------------------------------|------|---------------|
| Electrical design                               |      | PNP/NPN       |
| Output function                                 |      | normally open |
| Sensing range                                   | [mm] | 8             |
| Housing                                         |      | threaded type |
| Dimensions                                      | [mm] | M18 x 1       |
| 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] | 0.8           |
| Permanent current rating of switching output DC | [mA] | 150           |
| Switching frequency DC                          | [Hz] | 300           |
| Short-circuit protection                        |      | yes           |
| Type of short-circuit protection                |      | pulsed        |
| Overload protection                             |      | yes           |

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## Inductive sensor

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| 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: 0.5 / aluminium: 0.4 / copper: 0.3 |
| Hysteresis                    | [% of Sr]        | 3...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     |                                                                             |
|                               | EN 55011         | class B                                                                     |
| MTTF                          | [years]          | 2583                                                                        |
| Mechanical data               |                  |                                                                             |
| Weight                        | [g]              | 143.1                                                                       |
| Housing                       |                  | threaded type                                                               |
| Mounting                      |                  | non-flush mountable                                                         |
| Dimensions                    | [mm]             | M18 x 1                                                                     |
| Thread designation            |                  | M18 x 1                                                                     |
| Materials                     |                  | brass white bronze coated; PC                                               |
| Displays / operating elements |                  |                                                                             |
| Display                       | switching status | 1 x LED, yellow                                                             |
| Accessories                   |                  |                                                                             |
| Items supplied                |                  | lock nuts: 2                                                                |
| Remarks                       |                  |                                                                             |
| Pack quantity                 |                  | 1 pcs.                                                                      |

# IG5715



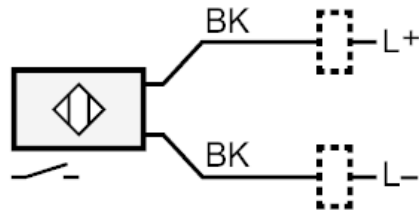
## Inductive sensor

IGB2008-ARKG/UP

### Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm<sup>2</sup>

### Connection



BK =

Core colours :  
black