

## Inductive sensor

IG-3008-APKG/6M



### Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | PNP              |
| Output function    | normally closed  |
| 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                                    | PNP             |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 2.5             |
| Permanent current rating of switching output DC [mA] | 250             |
| Switching frequency DC [Hz]                          | 300             |
| 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  |

### 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                                                                    |

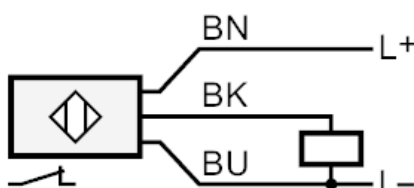
# IG5406



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IG-3008-APKG/6M

| Operating conditions                     |                  |                     |
|------------------------------------------|------------------|---------------------|
| Ambient temperature                      | [°C]             | -25...80            |
| Protection                               |                  | IP 67               |
| Tests / approvals                        |                  |                     |
| EMC                                      | EN 60947-5-2     |                     |
| MTTF                                     | [years]          | 1844                |
| Mechanical data                          |                  |                     |
| Weight                                   | [g]              | 333.5               |
| Housing                                  |                  | threaded type       |
| Mounting                                 |                  | non-flush mountable |
| Dimensions                               | [mm]             | M18 x 1 / L = 80    |
| Thread designation                       |                  | M18 x 1             |
| Materials                                |                  | 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; 3 x 0.5 mm <sup>2</sup> |                  |                     |
| Connection                               |                  |                     |



BN = Core colours : brown  
BU = blue  
BK = black