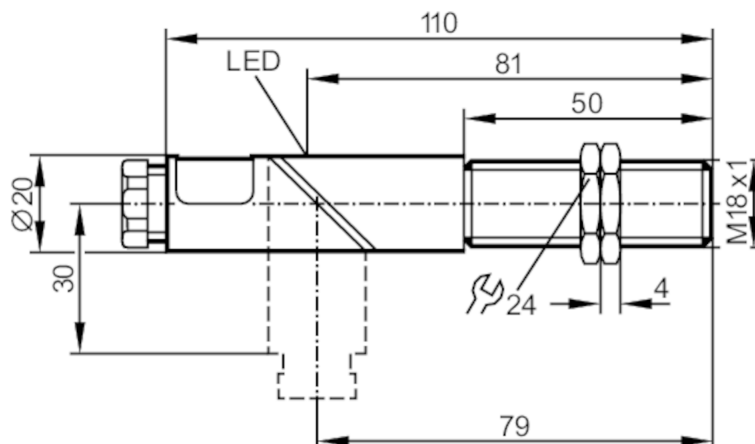


# IG5719



## Inductive sensor

IGE2008-FRKG



### Product characteristics

|                    |                                      |
|--------------------|--------------------------------------|
| Electrical design  | PNP/NPN                              |
| Output function    | normally open / closed; (selectable) |
| Sensing range [mm] | 8                                    |
| Housing            | Threaded type                        |
| Dimensions [mm]    | M18 x 1 / L = 110                    |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...55 DC |
| Protection class            | II         |
| Reverse polarity protection | yes        |

### Outputs

|                                                      |                                      |
|------------------------------------------------------|--------------------------------------|
| Electrical design                                    | PNP/NPN                              |
| Output function                                      | normally open / closed; (selectable) |
| Max. voltage drop switching output DC [V]            | 4.6                                  |
| Minimum load current [mA]                            | 4                                    |
| Max. leakage current [mA]                            | 1                                    |
| Permanent current rating of switching output DC [mA] | 400                                  |
| Switching frequency DC [Hz]                          | 300                                  |
| Short-circuit protection                             | yes                                  |
| Type of short-circuit protection                     | yes (non-latching)                   |
| Overload protection                                  | yes                                  |

### Monitoring range

|                            |          |
|----------------------------|----------|
| 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: 0.7 / 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 65                                                                      |                   |
| Tests / approvals                                                          |           |                                                                            |                   |
| EMC                                                                        |           | EN 60947-5-2                                                               |                   |
|                                                                            |           | EN 55011                                                                   | class B           |
| Mechanical data                                                            |           |                                                                            |                   |
| Weight                                                                     |           | [g]                                                                        | 44.3              |
| Housing                                                                    |           | Threaded type                                                              |                   |
| Mounting                                                                   |           | non-flush mountable                                                        |                   |
| Dimensions                                                                 |           | [mm]                                                                       | M18 x 1 / L = 110 |
| Thread designation                                                         |           | M18 x 1                                                                    |                   |
| Material                                                                   |           | PBT; end cap: PC                                                           |                   |
| Displays / operating elements                                              |           |                                                                            |                   |
| Display                                                                    |           | Switching status                                                           | 1 x LED, yellow   |
| Accessories                                                                |           |                                                                            |                   |
| Items supplied                                                             |           | lock nuts: 2                                                               |                   |
| Remarks                                                                    |           |                                                                            |                   |
| Pack quantity                                                              |           | 1 pcs.                                                                     |                   |
| Electrical connection                                                      |           |                                                                            |                   |
| terminals: ...2.5 mm²; Cable sheath: Ø 4.5...10 mm; Cable gland: M16 X 1.5 |           |                                                                            |                   |
| Connection                                                                 |           |                                                                            |                   |

