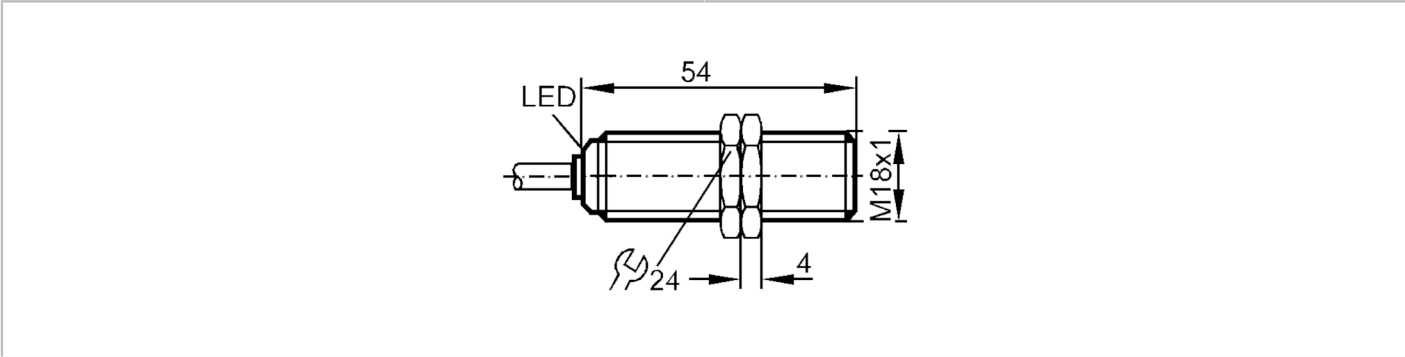




Inductive sensor

IGK2005-FRKG/KG-ST/5M/PH

Article no longer available - archive entry



Product characteristics

|                    |                                               |
|--------------------|-----------------------------------------------|
| Electrical design  | PNP/NPN                                       |
| Output function    | normally open / normally closed; (selectable) |
| Sensing range [mm] | 5                                             |
| Housing            | threaded type                                 |
| Dimensions [mm]    | M18 x 1                                       |

Electrical data

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

Outputs

|                                                      |                                               |
|------------------------------------------------------|-----------------------------------------------|
| Electrical design                                    | PNP/NPN                                       |
| Output function                                      | normally open / normally closed; (selectable) |
| 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] | 400                                           |
| Switching frequency DC [Hz]                          | 700                                           |
| Short-circuit protection                             | yes                                           |
| Type of short-circuit protection                     | pulsed                                        |
| Overload protection                                  | yes                                           |

Detection zone

|                            |          |
|----------------------------|----------|
| Sensing range [mm]         | 5        |
| Real sensing range Sr [mm] | 5 ± 10 % |
| Operating distance [mm]    | 0...4.05 |

Accuracy / deviations

|                          |                                                                             |
|--------------------------|-----------------------------------------------------------------------------|
| Correction factor        | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis [X01]         | 3...15                                                                      |
| Switch point drift [X01] | -10...10                                                                    |

# IG5974



## Inductive sensor

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### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 67    |

### Tests / approvals

|     |              |  |
|-----|--------------|--|
| EMC | EN 60947-5-2 |  |
|-----|--------------|--|

### Mechanical data

|                    |      |                         |
|--------------------|------|-------------------------|
| Housing            |      | threaded type           |
| Mounting           |      | flush mountable         |
| Dimensions         | [mm] | M18 x 1                 |
| Thread designation |      | M18 x 1                 |
| Materials          |      | brass nickel-plated; PC |

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

### Аксессуары

|                |  |              |
|----------------|--|--------------|
| Items supplied |  | lock nuts: 2 |
|----------------|--|--------------|

### Remarks

|               |  |        |
|---------------|--|--------|
| Pack quantity |  | 1 pcs. |
|---------------|--|--------|

### Electrical connection

Cable: 5 m, PUR; 2 x 0.5 mm<sup>2</sup>

### Connection

