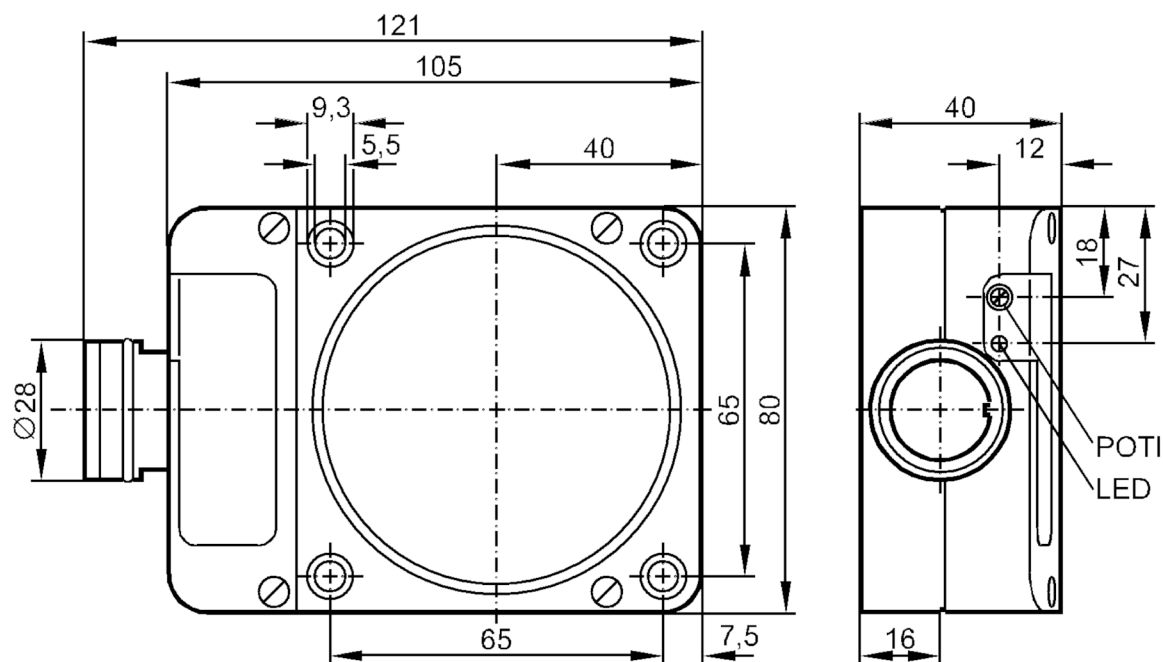


## Inductive sensor

IDE2060-FBOW/TS-700-A

Article no longer available - archive entry



## Product characteristics

|                 |      |                                               |
|-----------------|------|-----------------------------------------------|
| Output function |      | normally open / normally closed; (selectable) |
| Sensing range   | [mm] | 60                                            |
| Housing         |      | rectangular                                   |
| Dimensions      | [mm] | 105 x 80 x 40                                 |

## Electrical data

|                             |      |             |
|-----------------------------|------|-------------|
| Frequency AC                | [Hz] | 47...63     |
| Operating voltage           | [V]  | 20...250 AC |
| Reverse polarity protection |      | no          |

## Outputs

|                                                 |      |                                               |
|-------------------------------------------------|------|-----------------------------------------------|
| Output function                                 |      | normally open / normally closed; (selectable) |
| Max. voltage drop switching output AC           | [V]  | 5.5                                           |
| Minimum load current                            | [mA] | 5                                             |
| Max. leakage current                            | [mA] | 2.5                                           |
| Permanent current rating of switching output AC | [mA] | 300; (500 (...50 °C))                         |
| Short-time current rating of switching output   | [mA] | 2200; (20 ms / 0,5 Hz)                        |
| Switching frequency AC                          | [Hz] | 4                                             |
| Short-circuit protection                        |      | no                                            |
| Overload protection                             |      | no                                            |

## Detection zone

|                               |      |     |
|-------------------------------|------|-----|
| Sensing range                 | [mm] | 60  |
| Sensing range adjustable      |      | yes |
| Factory setting sensing range | [mm] | 60  |



## Inductive sensor

IDE2060-FBOW/TS-700-A

|                          |      |                |
|--------------------------|------|----------------|
| Real sensing range $S_r$ | [mm] | $60 \pm 10 \%$ |
| Operating distance       | [mm] | 0...48.6       |

### Accuracy / deviations

|                    |                                                                             |          |
|--------------------|-----------------------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3 |          |
| Hysteresis         | [% of $S_r$ ]                                                               | 3...15   |
| Switch point drift | [% of $S_r$ ]                                                               | -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

|            |      |                     |
|------------|------|---------------------|
| Housing    |      | rectangular         |
| Mounting   |      | non-flush mountable |
| Dimensions | [mm] | 105 x 80 x 40       |
| Materials  |      | PPE modified        |

### Displays / operating elements

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

### Accessories

|                |  |                |
|----------------|--|----------------|
| Items supplied |  | screwdriver: 1 |
|----------------|--|----------------|

### Remarks

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

### Electrical connection - plug

Connector: 1 x Ø 28 mm; coding: A

