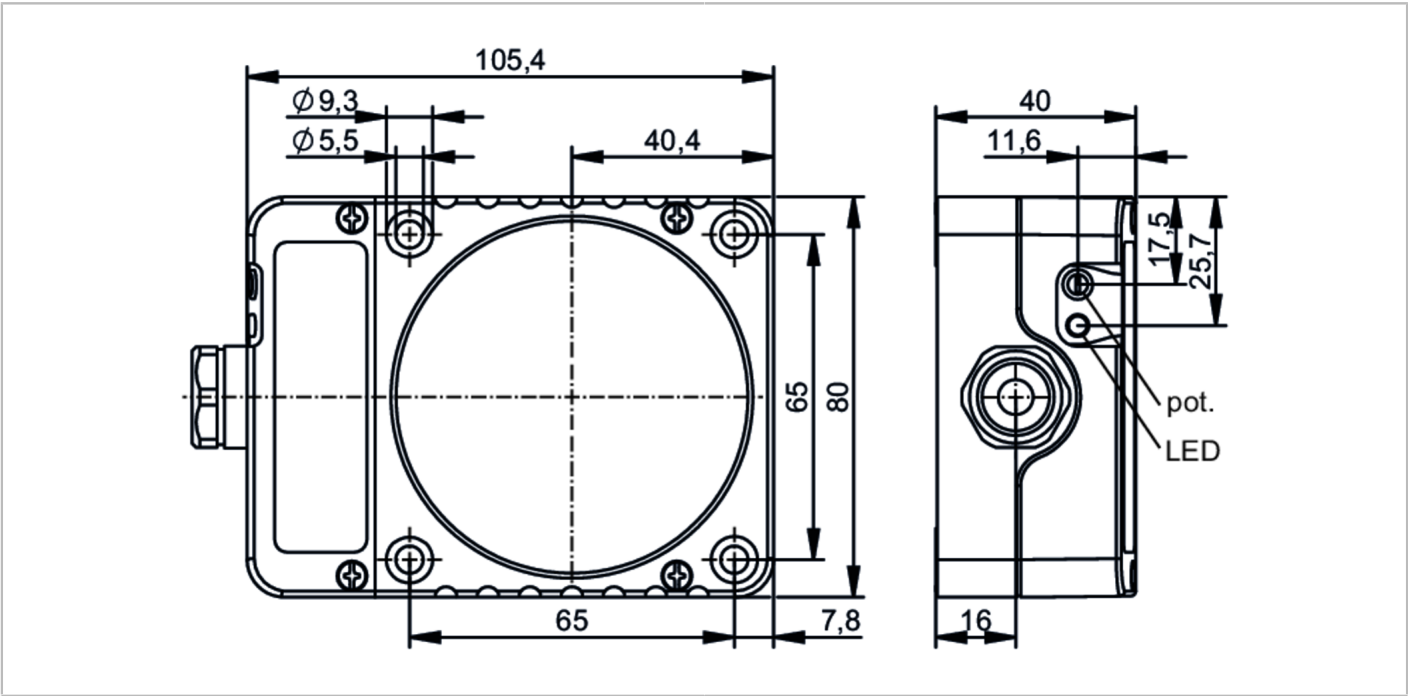


# ID5005



## Inductive sensor

IDE3060-FPKG



| Product characteristics                         |      |                                      |
|-------------------------------------------------|------|--------------------------------------|
| Electrical design                               |      | PNP                                  |
| Output function                                 |      | normally open / closed; (selectable) |
| Sensing range                                   | [mm] | 60                                   |
| Housing                                         |      | rectangular                          |
| Dimensions                                      | [mm] | 105 x 80 x 40                        |
| 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 open / closed; (selectable) |
| Max. voltage drop switching output DC           | [V]  | 2.5                                  |
| Permanent current rating of switching output DC | [mA] | 250                                  |
| Switching frequency DC                          | [Hz] | 100                                  |
| Short-circuit protection                        |      | yes                                  |
| Overload protection                             |      | yes                                  |
| Monitoring range                                |      |                                      |
| Sensing range                                   | [mm] | 60                                   |
| Sensing range adjustable                        |      | yes                                  |
| Factory setting sensing range                   | [mm] | 60                                   |

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## Inductive sensor

IDE3060-FPKG

|                       |      |           |
|-----------------------|------|-----------|
| Real sensing range Sr | [mm] | 60 ± 10 % |
| Operating distance    | [mm] | 0...48.6  |

### 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 61000-4-2 ESD          | - CD / 8 kV AD                 |
|             | EN 61000-4-3 HF radiated  | 10 V/m                         |
|             | EN 61000-4-4 Burst        | 2 kV                           |
|             | EN 61000-4-5 Surge        | 0,5 kV line to line, Ri: 2 Ohm |
|             | EN 61000-4-6 HF conducted | 10 V                           |
|             | EN 55011                  | class B                        |
| MTTF        | [years]                   | 1277                           |
| UL approval | Ta                        | 0...40 °C                      |
|             | Enclosure type            | Type 1                         |
|             | File number UL            | E174191                        |

### Mechanical data

|            |      |                     |
|------------|------|---------------------|
| Weight     | [g]  | 434                 |
| Housing    |      | rectangular         |
| Mounting   |      | non-flush mountable |
| Dimensions | [mm] | 105 x 80 x 40       |
| Material   |      | PPE                 |

### Displays / operating elements

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

### Accessories

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

### Remarks

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

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## Inductive sensor

IDE3060-FPKG

### Electrical connection

terminals: ...2.5 mm<sup>2</sup>; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5

### Connection

