

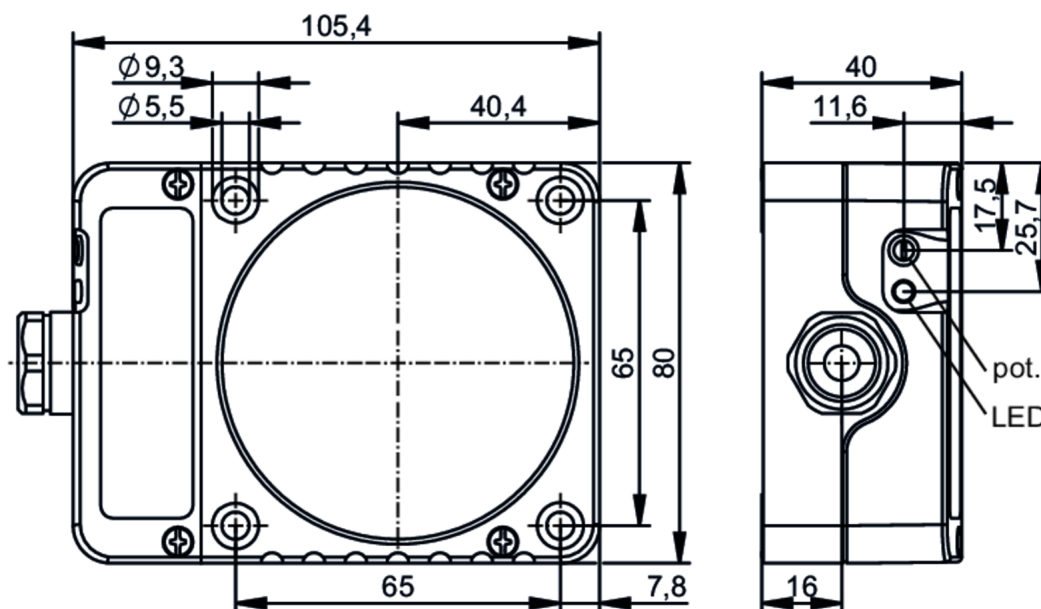
## Inductive sensor

IDE3060-FNKG

Article no longer available - archive entry

Alternative articles: ID5023

When selecting an alternative article and accessories please note that technical data may differ!



## Product characteristics

|                    |                                               |
|--------------------|-----------------------------------------------|
| Electrical design  | NPN                                           |
| Output function    | normally open / normally 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                                    | NPN                                           |
| Output function                                      | normally open / normally closed; (selectable) |
| Max. voltage drop switching output DC [V]            | 2.5                                           |
| Permanent current rating of switching output DC [mA] | 250                                           |
| Switching frequency DC [Hz]                          | 4                                             |
| Short-circuit protection                             | yes                                           |

# ID5047



## Inductive sensor

IDE3060-FNKG

|                                  |                                                                             |                     |
|----------------------------------|-----------------------------------------------------------------------------|---------------------|
| Type of short-circuit protection | pulsed                                                                      |                     |
| Overload protection              | yes                                                                         |                     |
| Detection zone                   |                                                                             |                     |
| Sensing range                    | [mm]                                                                        | 60                  |
| Sensing range adjustable         |                                                                             | yes                 |
| Factory setting sensing range    | [mm]                                                                        | 60                  |
| 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 / aluminium: 0.3 / copper: 0.2 |                     |
| Hysteresis                       | [X01]                                                                       | 1...15              |
| Switch point drift               | [X01]                                                                       | -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, red        |
| Аксессуары                       |                                                                             |                     |
| Items supplied                   |                                                                             | screwdriver: 1      |
| Remarks                          |                                                                             |                     |
| Pack quantity                    |                                                                             | 1 pcs.              |

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### Electrical connection

terminals: ...2.5 mm<sup>2</sup>

### Connection

