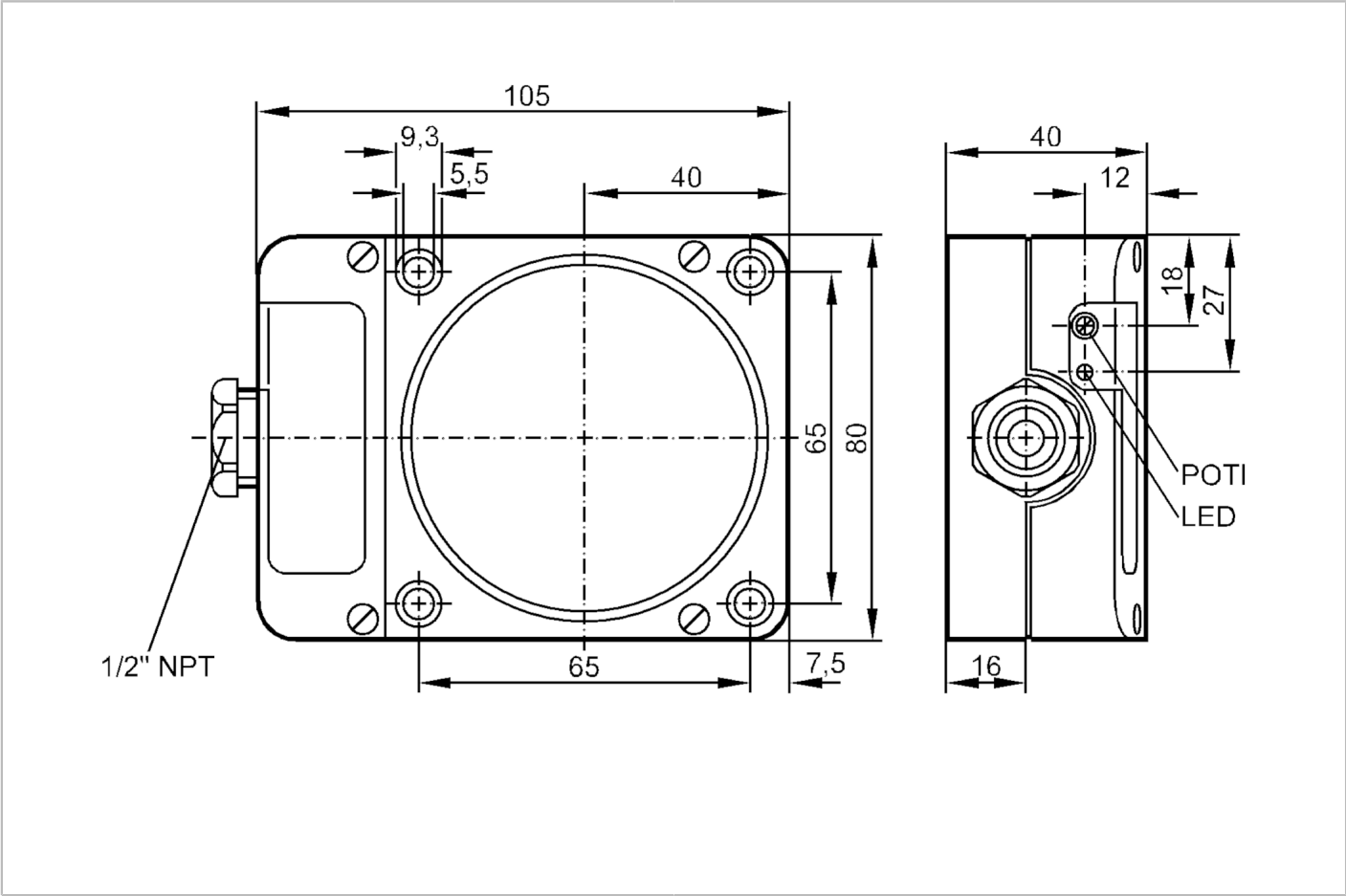




Inductive sensor

IDE3060-FNKG/NPT RT

Article no longer available - archive entry



| Product characteristics                         |      |                                      |
|-------------------------------------------------|------|--------------------------------------|
| Electrical design                               |      | NPN                                  |
| 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                               |      | NPN                                  |
| Output function                                 |      | normally open / closed; (selectable) |
| Max. voltage drop switching output DC           | [V]  | 2.5                                  |
| Permanent current rating of switching output DC | [mA] | 250                                  |



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RT

|                                      |                  |                                                                            |
|--------------------------------------|------------------|----------------------------------------------------------------------------|
| Switching frequency DC               | [Hz]             | 4                                                                          |
| Short-circuit protection             |                  | yes                                                                        |
| Type of short-circuit protection     |                  | yes (non-latching)                                                         |
| Overload protection                  |                  | yes                                                                        |
| <b>Monitoring range</b>              |                  |                                                                            |
| 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                                                                   |
| <b>Accuracy / deviations</b>         |                  |                                                                            |
| 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                                                                   |
| <b>Operating conditions</b>          |                  |                                                                            |
| Ambient temperature                  | [°C]             | -25...80                                                                   |
| Protection                           |                  | IP 65                                                                      |
| <b>Tests / approvals</b>             |                  |                                                                            |
| EMC                                  | EN 60947-5-2     |                                                                            |
|                                      | EN 55011         | class B                                                                    |
| <b>Mechanical data</b>               |                  |                                                                            |
| Housing                              |                  | rectangular                                                                |
| Mounting                             |                  | non-flush mountable                                                        |
| Dimensions                           | [mm]             | 105 x 80 x 40                                                              |
| Material                             |                  | PPE modified                                                               |
| <b>Displays / operating elements</b> |                  |                                                                            |
| Display                              | Switching status | 1 x LED, red                                                               |
| <b>Accessories</b>                   |                  |                                                                            |
| Items supplied                       |                  | screwdriver: 1                                                             |
| <b>Remarks</b>                       |                  |                                                                            |
| Pack quantity                        |                  | 1 pcs.                                                                     |

# ID5053



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### Electrical connection

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

### Connection

