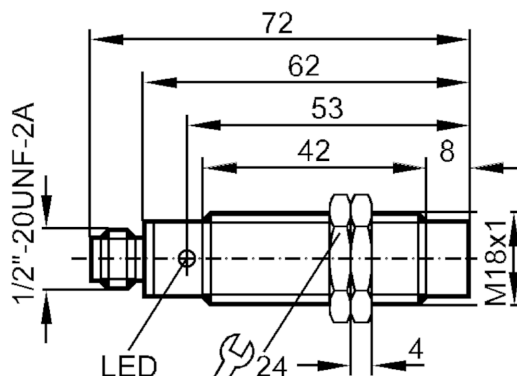




## Inductive sensor

KIT, IG0345, E12342 AND E18215



### Product characteristics

|                 |      |               |
|-----------------|------|---------------|
| Output function |      | normally open |
| Sensing range   | [mm] | 12            |
| Housing         |      | Threaded type |
| Dimensions      | [mm] | M18 x 1       |

### Application

|        |                         |
|--------|-------------------------|
| System | Increased sensing range |
|--------|-------------------------|

### Electrical data

|                             |     |                |
|-----------------------------|-----|----------------|
| Operating voltage           | [V] | 20...250 AC/DC |
| Protection class            |     | I              |
| Reverse polarity protection |     | no             |

### Outputs

|                                                 |      |                                               |
|-------------------------------------------------|------|-----------------------------------------------|
| Output function                                 |      | normally open                                 |
| Max. voltage drop switching output DC           | [V]  | 6                                             |
| Max. voltage drop switching output AC           | [V]  | 6.5                                           |
| Minimum load current                            | [mA] | 5                                             |
| Max. leakage current                            | [mA] | 1 (250 V AC) / 0.8 (140 V AC) / 0.8 (24 V DC) |
| Permanent current rating of switching output AC | [mA] | 250; (350 (...50 °C))                         |
| Permanent current rating of switching output DC | [mA] | 100                                           |
| Short-time current rating of switching output   | [mA] | 2200; (20 ms / 0,5 Hz)                        |
| Switching frequency AC                          | [Hz] | 25                                            |
| Switching frequency DC                          | [Hz] | 90                                            |
| Short-circuit proof                             |      | no                                            |



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|                               |                                                                             |                   |
|-------------------------------|-----------------------------------------------------------------------------|-------------------|
| Overload protection           | no                                                                          |                   |
| Monitoring range              |                                                                             |                   |
| Sensing range                 | [mm]                                                                        | 12                |
| Operating distance            | [mm]                                                                        | 0...9.7           |
| Increased sensing range       | yes                                                                         |                   |
| Accuracy / deviations         |                                                                             |                   |
| Correction factor             | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.5 / copper: 0.4  |                   |
| Hysteresis                    | [% of Sr]                                                                   | 3...15            |
| Operating conditions          |                                                                             |                   |
| Ambient temperature           | [°C]                                                                        | -25...70          |
| Protection                    | IP 67                                                                       |                   |
| Tests / approvals             |                                                                             |                   |
| EMC                           | EN 60947-5-2                                                                |                   |
|                               | EN 55011                                                                    | class B           |
| UL approval                   | Ta                                                                          | 0...40 °C         |
|                               | Enclosure type                                                              | Type 1            |
|                               | voltage supply                                                              | Hazardous voltage |
|                               | File number UL                                                              | E174191           |
| Mechanical data               |                                                                             |                   |
| Weight                        | [g]                                                                         | 229.064           |
| Housing                       | Threaded type                                                               |                   |
| Mounting                      | non-flush mountable                                                         |                   |
| Dimensions                    | [mm]                                                                        | M18 x 1           |
| Thread designation            | M18 x 1                                                                     |                   |
| Material                      | brass white bronze coated; PA; PBT                                          |                   |
| Displays / operating elements |                                                                             |                   |
| Display                       | Switching status                                                            | 1 x LED, red      |
| Electrical connection         |                                                                             |                   |
| Required protection           | miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting                    |                   |
| Accessories                   |                                                                             |                   |
| Items supplied                | lock nuts: 2                                                                |                   |
|                               | All female cordsets: 1, E18215                                              |                   |
| Remarks                       |                                                                             |                   |
| Remarks                       | Recommendation: check the unit for reliable function after a short circuit. |                   |
| Pack quantity                 | 1 pcs.                                                                      |                   |



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### Electrical connection - plug

Connector: 1 x 1/2"; coding: C

