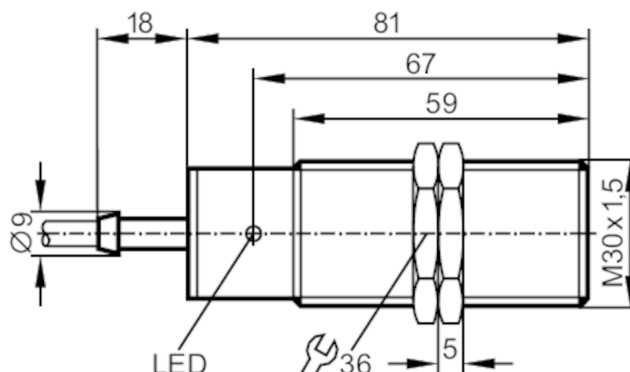


# II5300

## Inductive sensor

II-3015-BPKG



### Product characteristics

|                    |                    |
|--------------------|--------------------|
| Electrical design  | PNP                |
| Output function    | normally open      |
| Sensing range [mm] | 15                 |
| Housing            | Threaded type      |
| Dimensions [mm]    | M30 x 1.5 / L = 81 |

### 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      |
| Max. voltage drop switching output DC [V]            | 2.5                |
| Permanent current rating of switching output DC [mA] | 250                |
| Switching frequency DC [Hz]                          | 250                |
| Short-circuit protection                             | yes                |
| Type of short-circuit protection                     | yes (non-latching) |
| Overload protection                                  | yes                |

### Monitoring range

|                            |           |
|----------------------------|-----------|
| Sensing range [mm]         | 15        |
| Real sensing range Sr [mm] | 15 ± 10 % |
| Operating distance [mm]    | 0...12.1  |

### Accuracy / deviations

|                      |                                                                            |
|----------------------|----------------------------------------------------------------------------|
| Correction factor    | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 |
| Hysteresis [% of Sr] | 1...15                                                                     |

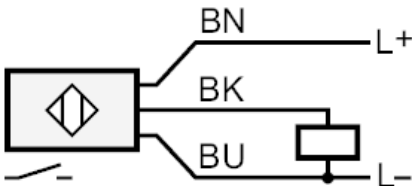
II5300



Inductive sensor

II-3015-BPKG

|                               |                  |                     |
|-------------------------------|------------------|---------------------|
| Switch-point drift            | [% of Sr]        | -10...10            |
| Operating conditions          |                  |                     |
| Ambient temperature           | [°C]             | -25...80            |
| Protection                    |                  | IP 67               |
| Tests / approvals             |                  |                     |
| EMC                           | EN 60947-5-2     |                     |
| MTTF                          | [years]          | 1853                |
| Mechanical data               |                  |                     |
| Weight                        | [g]              | 187.5               |
| Housing                       |                  | Threaded type       |
| Mounting                      |                  | non-flush mountable |
| Dimensions                    | [mm]             | M30 x 1.5 / L = 81  |
| Thread designation            |                  | M30 x 1.5           |
| Material                      |                  | PBT                 |
| Displays / operating elements |                  |                     |
| Display                       | Switching status | 1 x LED, yellow     |
| Accessories                   |                  |                     |
| Items supplied                |                  | lock nuts: 2        |
| Remarks                       |                  |                     |
| Pack quantity                 |                  | 1 pcs.              |
| Electrical connection         |                  |                     |
| Cable: 2 m, PVC; 3 x 0.5 mm²  |                  |                     |
| Connection                    |                  |                     |



BN = Core colors : brown  
BU = blue  
BK = black