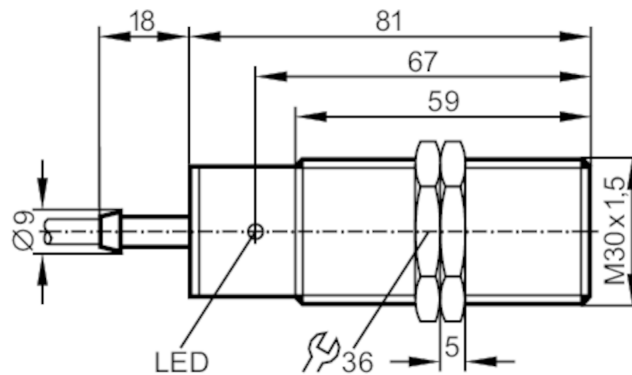




Inductive sensor

II-2015-ABOA



Product characteristics

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

Electrical data

| | | |
|-----------------------------|-----|----------------|
| Operating voltage | [V] | 20...250 AC/DC |
| Protection class | | II |
| 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] | 2.5 (250 V AC) / 1.3 (110 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] | 50 |
| Short-circuit proof | | no |
| Overload protection | | no |

Detection zone

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

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Inductive sensor

II-2015-ABOA

| Accuracy / deviations | | |
|-------------------------------|-----------|---|
| Correction factor | | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 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 67 |
| Tests / approvals | | |
| EMC | | EN 60947-5-2 |
| | | EN 55011 |
| | | class B |
| MTTF | [years] | 607 |
| Mechanical data | | |
| Weight | [g] | 180 |
| Housing | | threaded type |
| Mounting | | non-flush mountable |
| Dimensions | [mm] | M30 x 1.5 / L = 81 |
| Thread designation | | M30 x 1.5 |
| Materials | | PBT |
| Displays / operating elements | | |
| Display | | switching status |
| | | 1 x LED, yellow |
| Electrical connection | | |
| Required protection | | miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting |
| Accessories | | |
| Accessories (supplied) | | lock nuts: 2 |
| Remarks | | |
| Remarks | | Recommendation: Check the safe functioning of the unit after a short circuit. |
| Pack quantity | | 1 pcs. |

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Inductive sensor

II-2015-ABOA

Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 \leq 2 A fast acting

Core colours :

BN = brown

BU = blue