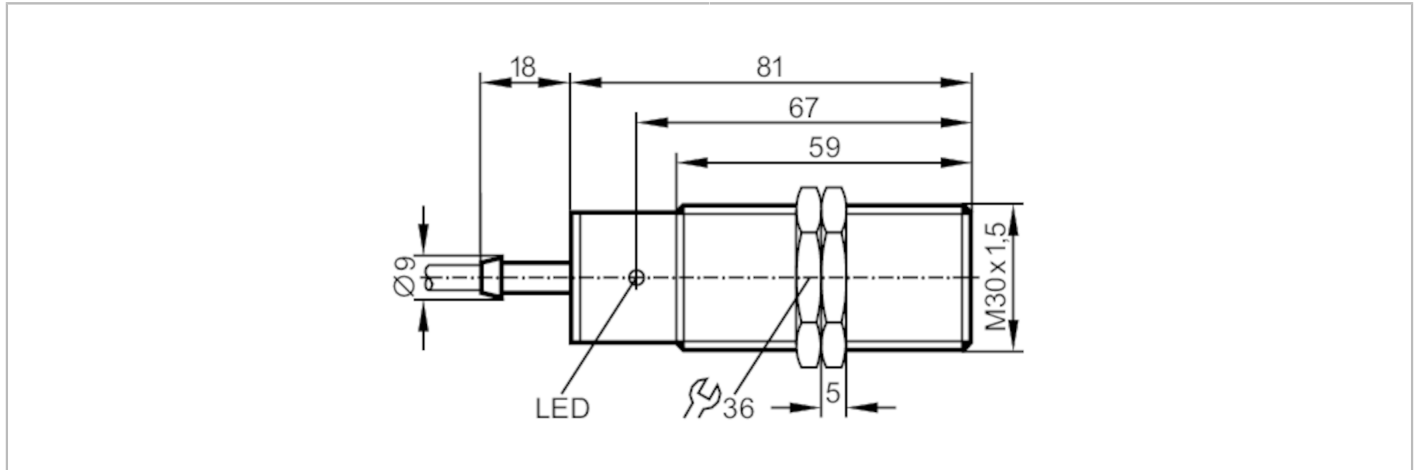


II5260



Inductive sensor

IIA3010-APKG



| 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 closed |
| 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 | | pulsed |
| Overload protection | | yes |
| Detection zone | | |
| Sensing range | [mm] | 10 |
| Real sensing range Sr | [mm] | 10 ± 10 % |
| Operating distance | [mm] | 0...8.1 |
| 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 |

II5260



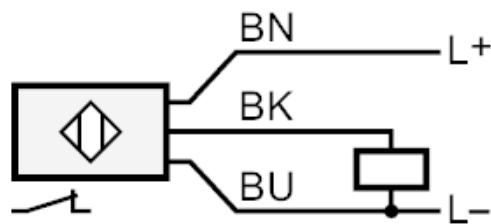
Inductive sensor

IIA3010-APKG

| Tests / approvals | | |
|-------------------------------|------------------|--------------------------|
| EMC | EN 60947-5-2 | |
| | EN 55011 | class B |
| MTTF [years] | | 1844 |
| Mechanical data | | |
| Weight [g] | | 248.6 |
| Housing | | threaded type |
| Mounting | | flush mountable |
| Dimensions [mm] | | M30 x 1.5 / L = 81 |
| Thread designation | | M30 x 1.5 |
| Materials | | brass nickel-plated; PBT |
| Displays / operating elements | | |
| Display | switching status | 1 x LED, yellow |
| Accessories | | |
| Accessories (supplied) | | lock nuts: 2 |
| Remarks | | |
| Pack quantity | | 1 pcs. |

Electrical connection
Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



Core colours :

- BN = brown
- BU = blue
- BK = black