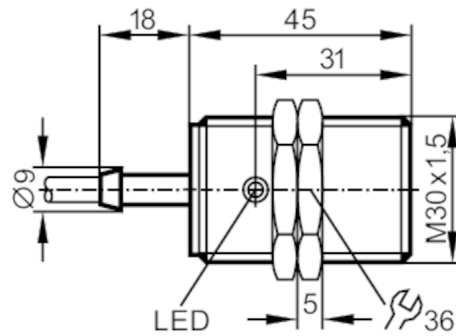


II5191



Inductive sensor

IIB3010-ANKG



Product characteristics

| | | |
|-------------------|------|--------------------|
| Electrical design | | NPN |
| Output function | | normally open |
| Sensing range | [mm] | 10 |
| Housing | | threaded type |
| Dimensions | [mm] | M30 x 1.5 / L = 45 |

Electrical data

| | | |
|-----------------------------|------|------------|
| Operating voltage | [V] | 18...36 DC |
| Current consumption | [mA] | 15; (24 V) |
| Protection class | | III |
| Reverse polarity protection | | yes |

Outputs

| | | |
|---|------|-----------------------|
| Electrical design | | NPN |
| Output function | | normally open |
| Max. voltage drop switching output DC | [V] | 2.5 |
| Permanent current rating of switching output DC | [mA] | 125; (150 (...50 °C)) |
| Switching frequency DC | [Hz] | 300 |
| 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 |

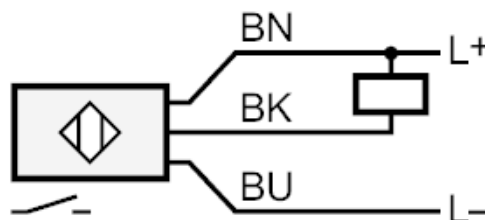
II5191



Inductive sensor

IIB3010-ANKG

| Operating conditions | | |
|--|------------------|--------------------------|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | EN 60947-5-2 | |
| | EN 55011 | class B |
| MTTF | [years] | 2279 |
| Mechanical data | | |
| Weight | [g] | 223.5 |
| Housing | | threaded type |
| Mounting | | flush mountable |
| Dimensions | [mm] | M30 x 1.5 / L = 45 |
| 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 mm ² | | |
| Connection | | |



Core colours :

BN = brown
BU = blue
BK = black