

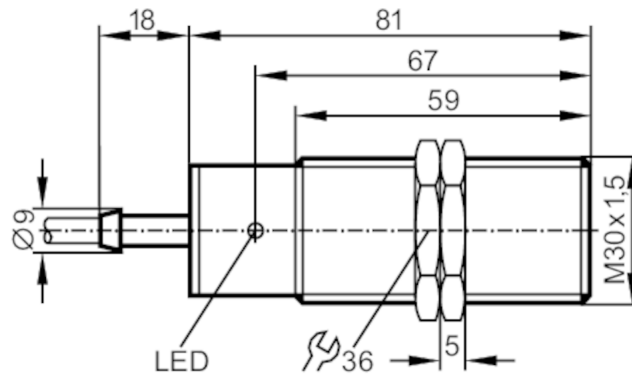
II5314



Inductive sensor

II-3015-BNKG/10m

Article no longer available - archive entry



Product characteristics

| | | |
|-------------------|------|--------------------|
| Electrical design | | NPN |
| Output function | | normally closed |
| 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 | | NPN |
| 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] | 15 |
| Real sensing range Sr | [mm] | 15 ± 10 % |
| Operating distance | [mm] | 0...12.1 |

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Inductive sensor

II-3015-BNKG/10m

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 |

Mechanical data

| | | |
|--------------------|---------------------|--|
| 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 |
|---------|------------------|-----------------|

Accessories

| | | |
|----------------|--------------|--|
| Items supplied | lock nuts: 2 | |
|----------------|--------------|--|

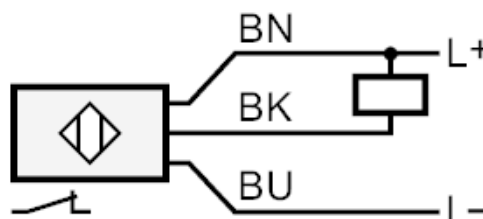
Remarks

| | | |
|---------------|--------|--|
| Pack quantity | 1 pcs. | |
|---------------|--------|--|

Electrical connection

Cable: 10 m, PVC; 3 x 0.5 mm²

Connection



Core colours :

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