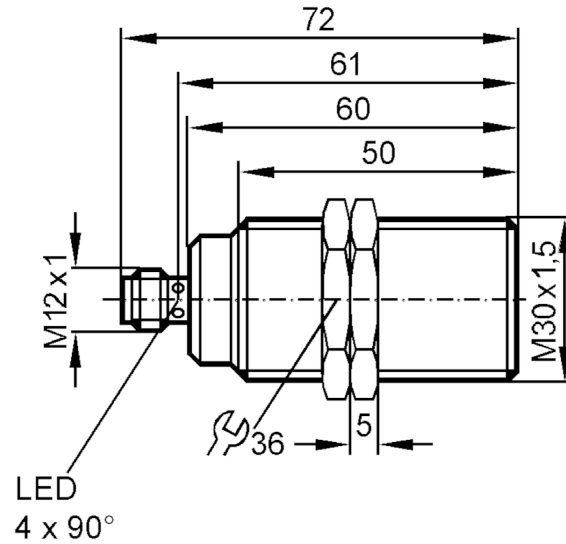


II5742



Inductive sensor

IIK3015BBPKG/US-104-DPS



Product characteristics

| | |
|--------------------|--------------------|
| Electrical design | PNP |
| Output function | normally open |
| Sensing range [mm] | 15 |
| Housing | threaded type |
| Dimensions [mm] | M30 x 1.5 / L = 72 |

Application

| | |
|-----------------|-------------------------|
| Special feature | Increased sensing range |
|-----------------|-------------------------|

Electrical data

| | |
|-----------------------------|------------|
| Operating voltage [V] | 10...36 DC |
| Current consumption [mA] | 15; (24 V) |
| Protection class | II |
| Reverse polarity protection | yes |

II5742



Inductive sensor

IIK3015BBPKG/US-104-DPS

| 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 | | pulsed |
| Overload protection | | yes |
| Detection zone | | |
| Sensing range | [mm] | 15 |
| Operating distance | [mm] | 0...12.1 |
| Increased sensing range | | yes |
| Accuracy / deviations | | |
| Correction factor | | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis | [% of Sr] | 1...15 |
| Operating conditions | | |
| Ambient temperature | [°C] | -25...70 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | EN 60947-5-2 | |
| | EN 55011 | class B |
| MTTF | [years] | 2247 |
| UL approval | Ta | 0...40 °C |
| | Enclosure type | Type 1 |
| | voltage supply | Hazardous voltage |
| | File number UL | E174191 |
| Mechanical data | | |
| Weight | [g] | 194 |
| Housing | | threaded type |
| Mounting | | flush mountable |
| Dimensions | [mm] | M30 x 1.5 / L = 72 |
| Thread designation | | M30 x 1.5 |
| Materials | | brass white bronze coated; PBT uncoloured |
| Displays / operating elements | | |
| Display | switching status | 4 x 90° LED, yellow |
| Accessories | | |
| Accessories (supplied) | | lock nuts: 2 |
| Remarks | | |
| Pack quantity | | 1 pcs. |
| Electrical connection - plug | | |
| Connector: 1 x M12 | | |

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IIK3015BBPKG/US-104-DPS



Connection

