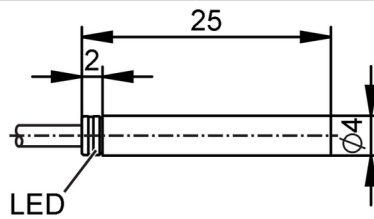


IZ5063



Inductive sensor

IZB31,5-BNKG/2m



Product characteristics

| | |
|--------------------|-----------------|
| Electrical design | NPN |
| Output function | normally closed |
| Sensing range [mm] | 1.5 |
| Housing | tubular |
| Dimensions [mm] | Ø 4 / L = 25 |

Electrical data

| | |
|-----------------------------|------------|
| Operating voltage [V] | 10...36 DC |
| Current consumption [mA] | 15; (24 V) |
| Protection class | III |
| 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] | 100 |
| Switching frequency DC [Hz] | 2000 |
| Short-circuit protection | yes |
| Type of short-circuit protection | yes (non-latching) |
| Overload protection | yes |

Monitoring range

| | |
|----------------------------|------------|
| Sensing range [mm] | 1.5 |
| Real sensing range Sr [mm] | 1.5 ± 10 % |
| Operating distance [mm] | 0...1.2 |

Accuracy / deviations

| | |
|------------------------------|--|
| Correction factor | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3 |
| Hysteresis [% of Sr] | 1...15 |
| Switch-point drift [% of Sr] | -10...10 |

Operating conditions

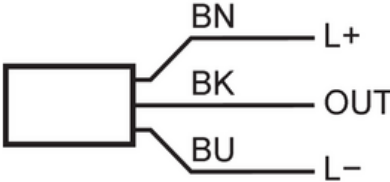
| | |
|--------------------------|--------------|
| Ambient temperature [°C] | -25...70 |
| Protection | IP 65; IP 67 |

IZ5063



Inductive sensor

IZB31,5-BNKG/2m

| Tests / approvals | | |
|--|---------------------------|--|
| EMC | EN 61000-4-2 ESD | 4 kV CD / 8 kV AD |
| | EN 61000-4-3 HF radiated | 10 V/m |
| | EN 61000-4-4 Burst | 2 kV |
| | EN 61000-4-6 HF conducted | 10 V |
| | EN 55011 | class B |
| Mechanical data | | |
| Weight | [g] | 24.8 |
| Housing | | tubular |
| Mounting | | flush mountable |
| Dimensions | [mm] | Ø 4 / L = 25 |
| Material | | housing: stainless steel (1.4305 / 303); sensing face: POM; LED ring: PA |
| Displays / operating elements | | |
| Display | Switching status | 1 x LED ring, yellow translucent cable entry signals output status |
| Accessories | | |
| Items supplied | | mounting clamps: 1 |
| Remarks | | |
| Pack quantity | | 1 pcs. |
| Electrical connection | | |
| Cable: 2 m, PUR; 3 x 0.08 mm ² | | |
| Connection | | |
|  | | |
| BN : | brown | |
| BK: | black | |
| BU: | blue | |
| BN: | L+ | |
| BK: | OUT DO (NC) | |
| BU: | L- | |