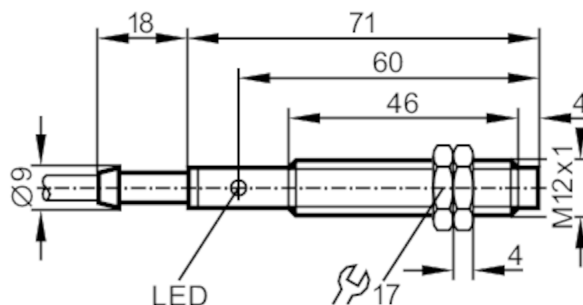




Inductive sensor

IFA3004-BNKG/10m

Article no longer available - archive entry



Product characteristics

| | | |
|-------------------|------|------------------|
| Electrical design | | NPN |
| Output function | | normally closed |
| Sensing range | [mm] | 4 |
| Housing | | Threaded type |
| Dimensions | [mm] | M12 x 1 / L = 71 |

Electrical data

| | | |
|-----------------------------|------|------------|
| Operating voltage | [V] | 10...55 DC |
| Current consumption | [mA] | 5; (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] | 400 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | yes (non-latching) |
| Overload protection | | yes |

Monitoring range

| | | |
|-----------------------|------|----------|
| Sensing range | [mm] | 4 |
| Real sensing range Sr | [mm] | 4 ± 10 % |
| Operating distance | [mm] | 0...3.25 |

Accuracy / deviations

| | | |
|--------------------|-----------|--|
| Correction factor | | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 |
| Hysteresis | [% of Sr] | 1...15 |
| Switch-point drift | [% of Sr] | -10...10 |

Operating conditions

| | | |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
|---------------------|------|----------|

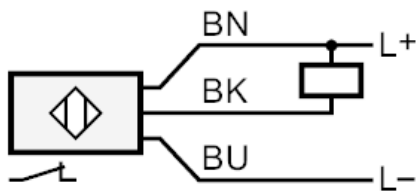
IF5343



Inductive sensor

IFA3004-BNKG/10m

| | | |
|--------------------------------|--------------------------|-----------------|
| Protection | IP 67 | |
| Mechanical data | | |
| Housing | Threaded type | |
| Mounting | non-flush mountable | |
| Dimensions [mm] | M12 x 1 / L = 71 | |
| Thread designation | M12 x 1 | |
| Material | brass nickel-plated; 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 0.34 mm² | | |
| Connection | | |



BN = Core colors : brown
BU = blue
BK = black