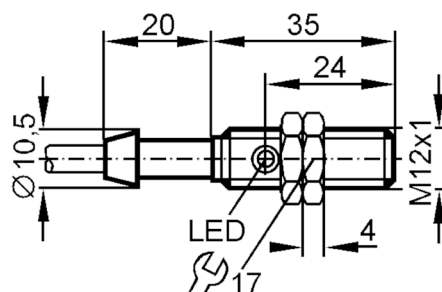




Inductive sensor

IFB3002-BNOG/MS/20m

Article no longer available - archive entry



Product characteristics

| | |
|--------------------|-----------------|
| Electrical design | NPN |
| Output function | normally closed |
| Sensing range [mm] | 2 |
| Housing | Threaded type |
| Dimensions [mm] | M12 x 1 |

Electrical data

| | |
|-----------------------------|------------|
| Operating voltage [V] | 18...36 DC |
| Current consumption [mA] | 7; (24 V) |
| 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] | 200 |
| Switching frequency DC [Hz] | 800 |
| Short-circuit protection | yes |
| Type of short-circuit protection | yes (non-latching) |
| Overload protection | yes |

Monitoring range

| | |
|----------------------------|---------------|
| Sensing range [mm] | 2 |
| Real sensing range Sr [mm] | $2 \pm 10 \%$ |

IF5242



Inductive sensor

IFB3002-BNOG/MS/20m

| | | |
|--------------------|------|---------|
| Operating distance | [mm] | 0...1.6 |
|--------------------|------|---------|

Accuracy / deviations

| | | |
|--------------------|-----------|--|
| Correction factor | | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 |
| Hysteresis | [% of Sr] | 3...15 |
| Switch-point drift | [% of Sr] | -10...10 |

Operating conditions

| | | |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |

Mechanical data

| | | |
|--------------------|------|--------------------------|
| Housing | | Threaded type |
| Mounting | | flush mountable |
| Dimensions | [mm] | M12 x 1 |
| 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 |
|----------------|--|--------------|

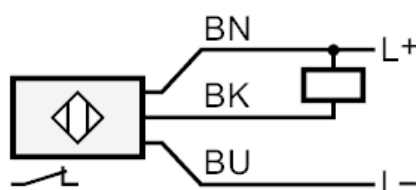
Remarks

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

Electrical connection

Cable: 20 m, PVC; 3 x 0.34 mm²

Connection



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