

IB5005



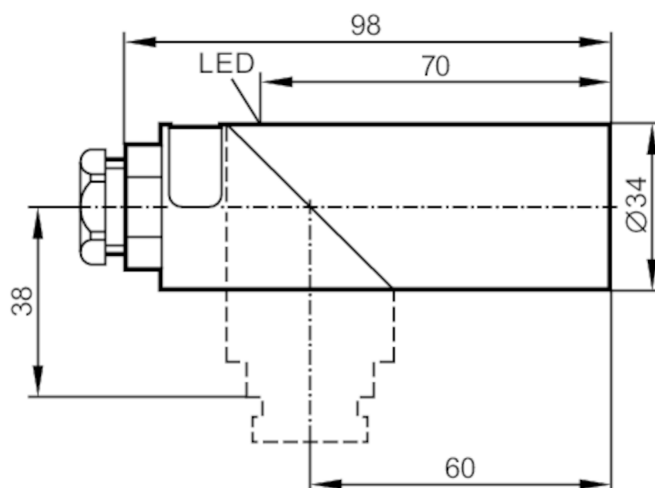
Inductive sensor

IBE2020-FROG

Article no longer available - archive entry

Alternative articles: IB5124

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

| | | |
|-----------------|------|--------------------------------------|
| Output function | | normally open / closed; (selectable) |
| Sensing range | [mm] | 20 |
| Housing | | tubular |
| Dimensions | [mm] | Ø 34 / L = 98 |

Electrical data

| | | |
|-----------------------------|-----|-----------|
| Operating voltage | [V] | 8...30 DC |
| Reverse polarity protection | | no |

Outputs

| | | |
|---|------|--------------------------------------|
| Output function | | normally open / closed; (selectable) |
| Max. voltage drop switching output DC | [V] | 5.5 |
| Minimum load current | [mA] | 5 |
| Max. leakage current | [mA] | 1.4 |
| Permanent current rating of switching output DC | [mA] | 200 |
| Switching frequency DC | [Hz] | 40 |
| Short-circuit protection | | no |
| Overload protection | | no |

Monitoring range

| | | |
|-----------------------|------|-----------|
| Sensing range | [mm] | 20 |
| Real sensing range Sr | [mm] | 20 ± 10 % |
| Operating distance | [mm] | 0...16.2 |

Accuracy / deviations

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



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| | | |
|--------------------|-----------|----------|
| Switch-point drift | [% of Sr] | -10...10 |
|--------------------|-----------|----------|

Operating conditions

| | | |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 65 |

Tests / approvals

| | | |
|-----|--------------|--|
| EMC | EN 60947-5-2 | |
|-----|--------------|--|

Mechanical data

| | | |
|------------|------|---------------------|
| Housing | | tubular |
| Mounting | | non-flush mountable |
| Dimensions | [mm] | Ø 34 / L = 98 |
| Material | | PBT; end cap: PC |

Displays / operating elements

| | | |
|---------|------------------|-----------------|
| Display | Switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

Accessories

| | | |
|----------------|--|-------------------|
| Items supplied | | Mounting clamp: 1 |
|----------------|--|-------------------|

Remarks

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

Electrical connection

terminals: ...2.5 mm²

Connection

