

IN5301



Inductive sensor

IN-3002-BPKG RT

Article no longer available - archive entry

Alternative articles: IN5121
When selecting an alternative article and accessories please note that technical data may differ!

1 mounting hole
2 threaded bush M3 Depth 5.8 mm
3 illustration (example)



| Product characteristics | | |
|---|------|--------------------|
| Electrical design | | PNP |
| Output function | | normally open |
| Sensing range | [mm] | 2 |
| Housing | | rectangular |
| Dimensions | [mm] | 40 x 12 x 26 |
| Electrical data | | |
| Operating voltage | [V] | 10...36 DC |
| Current consumption | [mA] | 15; (24 V) |
| Protection class | | II |
| Reverse polarity protection | | yes |
| 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] | 1400 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | yes (non-latching) |
| Overload protection | | yes |

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RT

| Monitoring range | | |
|-------------------------------|------------------|--|
| Sensing range | [mm] | 2 |
| 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 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | EN 60947-5-2 | |
| Mechanical data | | |
| Housing | | rectangular |
| Mounting | | flush mountable |
| Dimensions | [mm] | 40 x 12 x 26 |
| Material | | PBT |
| Mounting hole | | |
| Tightening torque | [Nm] | < 0.5 |
| Threaded bush | | |
| Tightening torque | [Nm] | < 1.2; (when brass insert in contact with counterpart) |
| Displays / operating elements | | |
| Display | Switching status | 1 x LED, red |
| Remarks | | |
| Pack quantity | | 1 pcs. |

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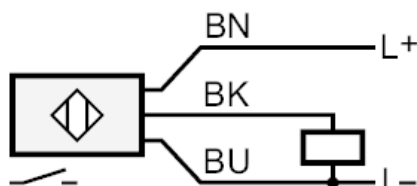
IN-3002-BPKG

RT

Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

Connection



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