

Product characteristics

| | |
|---|---|
| Inductive sensor | |
| Rectangular, plastics | |
| Cable | |
| Sensing range 2 mm; [f] flush mountable | |
| Electrical data | |
| Electrical design | DC PNP |
| Operating voltage [V] | 10...36 DC; UL - Class 2 source required |
| Current consumption [mA] | < 15 |
| Protection class | II |
| Reverse polarity protection | yes |
| Outputs | |
| Output function | normally open |
| Voltage drop [V] | < 2.5 |
| Current rating [mA] | 250 |
| Short-circuit protection | yes (non-latching) |
| Overload protection | yes |
| Switching frequency [Hz] | 800 |
| Monitoring range | |
| Sensing range [mm] | 2 |
| Real sensing range (Sr) [mm] | 2 ± 10 % |
| Operating distance [mm] | 0...1.6 |
| Accuracy / deviations | |
| Correction factors | mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3 |
| Hysteresis [% of Sr] | 3...15 |
| Switch-point drift [% of Sr] | -10...10 |
| Environment | |
| Ambient temperature [°C] | -25...80 |
| Protection | IP 67 |
| Tests / approvals | |
| EMC | EN 60947-5-2 |
| MTTF [Years] | 2110 |
| Mechanical data | |
| Mounting | flush mountable |
| Housing materials | PBT |
| Tightening torque [Nm] | ≤ 0.5 (with washer) |
| Weight [kg] | 0.045 |
| Displays / operating elements | |
| Output status indication LED | yellow |

IS5066 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection

Connection

PVC cable / 2 m; 3 x 0.14 mm²

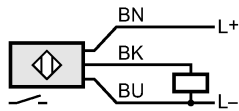
Wiring

Core colors

BN brown

BU blue

BK black



Remarks

Pack quantity

[piece]

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ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — IS5066 — 06.03.2003