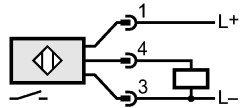


Product characteristics

| | |
|---|---|
| Inductive sensor | |
| Metal thread M18 x 1 | |
| Quick disconnect | |
| Increased sensing range | |
| Sensing range 12 mm; [nf] non-flush mountable | |
| Electrical data | |
| Electrical design DC PNP | |
| Operating voltage [V] | 10...36 DC |
| Current consumption [mA] | 15 (24 V) |
| 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] | 300 |
| Monitoring range | |
| Sensing range [mm] | 12 |
| Real sensing range (Sr) [mm] | 12 ± 10 % |
| Operating distance [mm] | 0...9.7 |
| Accuracy / deviations | |
| Correction factors | mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2 |
| 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 EN 55011: class B |
| MTTF [Years] | 1853 |
| Mechanical data | |
| Mounting | non-flush mountable |
| Housing materials | brass white bronze coated; active face: PBT (Pocan) uncolored |
| Weight [kg] | 0.061 |
| Displays / operating elements | |
| Output status indication LED | yellow |
| Electrical connection | |
| Connection | M12 connector |

IG5841 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Wiring



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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