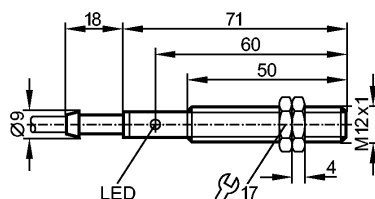


IF5345

IF-3004-BPKG

Inductive sensors



Product characteristics

Inductive sensor

Plastic thread M12 x 1

Cable

Sensing range 4 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] | 400 |

Monitoring range

| | |
|------------------------------|----------|
| Sensing range [mm] | 4 |
| Real sensing range (Sr) [mm] | 4 ± 10 % |
| Operating distance [mm] | 0...3.25 |

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] | 1...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] | 945 | |

Mechanical data

| | |
|-------------------|---------------------|
| Mounting | non-flush mountable |
| Housing materials | PBT |
| Weight [kg] | 0.092 |

IF5345

IF-3004-BPKG

Inductive sensors

Displays / operating elements

Output status indication LED yellow

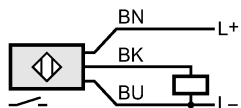
Electrical connection

Connection PVC cable / 2 m; 3 x 0.34 mm²

Wiring

Core colors

- BN brown
- BU blue
- BK black



Accessories

Accessories (included) 2 lock nuts

Remarks

Pack quantity [piece] 1