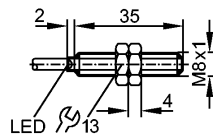


IE5343

IEBC003BASKG

Inductive sensors



Product characteristics

| |
|---|
| Inductive sensor |
| Metal thread M8 x 1 |
| Cable |
| Operation as 3-wire or 2-wire possible |
| Sensing range 3 mm; [f] flush mountable |

Electrical data

| | |
|-----------------------------|----------------------------------|
| Electrical design | 3-wire DC PNP; 2-wire DC PNP/NPN |
| Operating voltage [V] | 10...30 DC |
| Current consumption [mA] | < 10 only in 3-wire operation |
| Protection class | III |
| Reverse polarity protection | yes |

Outputs

| | |
|---------------------------|---------------------------------|
| Output function | normally open |
| Voltage drop [V] | < 2.8 |
| Minimum load current [mA] | 2; only in 2-wire operation |
| Leakage current [mA] | < 0.5; only in 2-wire operation |
| Current rating [mA] | 100 |
| Short-circuit protection | pulsed |
| Overload protection | yes |
| Switching frequency [Hz] | 1000 |

Range

| | |
|-------------------------|---------|
| Sensing range [mm] | 3 |
| Operating distance [mm] | 0...2.4 |

Accuracy / deviations

| | |
|----------------------|--|
| Correction factors | mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3 |
| Hysteresis [% of Sr] | 1...15 |

Environment

| | |
|--------------------------|--------|
| Ambient temperature [°C] | 0...70 |
| Protection | IP 67 |

Tests / approvals

| | |
|--------------|--------------|
| EMC | EN 60947-5-2 |
| MTTF [Years] | 2988 |

Mechanical data

| | |
|-------------------|---|
| Mounting | flush mountable |
| Housing materials | Brass white bronze coated; active face: LCP |
| Weight [kg] | 0.05 |

Displays / operating elements

| | |
|------------------------------|--------|
| Output status indication LED | yellow |
|------------------------------|--------|

IE5343

IEBC003BASKG

Inductive sensors

Electrical connection

Connection

PVC cable / 2 m; 3 x 0.14 mm²

Wiring

Core colours

BK black

BN brown

BU blue



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1