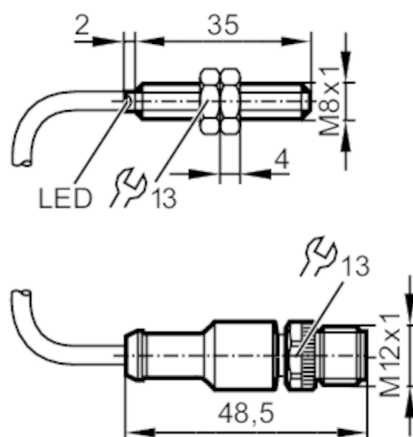


## Inductive sensor

IEBC003BASKG/0,3M/US



## Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | PNP/NPN         |
| Output function    | normally open   |
| Sensing range [mm] | 3               |
| Housing            | threaded type   |
| Dimensions [mm]    | M8 x 1 / L = 37 |

## Electrical data

|                             |                                  |
|-----------------------------|----------------------------------|
| Operating voltage [V]       | 10...30 DC                       |
| Current consumption [mA]    | < 10; (only in 3-wire operation) |
| Protection class            | III                              |
| Reverse polarity protection | yes                              |

## Outputs

|                                                      |                                 |
|------------------------------------------------------|---------------------------------|
| Electrical design                                    | PNP/NPN                         |
| Output function                                      | normally open                   |
| Max. voltage drop switching output DC [V]            | 2.8                             |
| Minimum load current [mA]                            | 2; (only in 2-wire operation)   |
| Max. leakage current [mA]                            | 0.5; (only in 2-wire operation) |
| Permanent current rating of switching output DC [mA] | 100                             |
| Switching frequency DC [Hz]                          | 1000                            |
| Short-circuit protection                             | yes                             |
| Type of short-circuit protection                     | pulsed                          |
| Overload protection                                  | yes                             |

## Detection zone

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

## Accuracy / deviations

|                   |                                                                             |
|-------------------|-----------------------------------------------------------------------------|
| Correction factor | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |
|-------------------|-----------------------------------------------------------------------------|

# IE5351



## Inductive sensor

IEBC003BASKG/0,3M/US

|                               |                  |                                              |
|-------------------------------|------------------|----------------------------------------------|
| Hysteresis                    | [% of Sr]        | 1...15                                       |
| Operating conditions          |                  |                                              |
| Ambient temperature           | [°C]             | 0...60                                       |
| Protection                    |                  | IP 67                                        |
| Tests / approvals             |                  |                                              |
| EMC                           | EN 60947-5-2     |                                              |
| MTTF                          | [years]          | 1517                                         |
| UL approval                   | Ta               | -25...80 °C                                  |
|                               | Enclosure type   | Type 1                                       |
|                               | power supply     | Limited Voltage/Current                      |
|                               | File number UL   | E174191                                      |
| Mechanical data               |                  |                                              |
| Weight                        | [g]              | 31.2                                         |
| Housing                       |                  | threaded type                                |
| Mounting                      |                  | flush mountable                              |
| Dimensions                    | [mm]             | M8 x 1 / L = 37                              |
| Thread designation            |                  | M8 x 1                                       |
| Materials                     |                  | brass white bronze coated; sensing face: LCP |
| Displays / operating elements |                  |                                              |
| Display                       | switching status | 1 x LED, yellow                              |
| Accessories                   |                  |                                              |
| Items supplied                |                  | lock nuts: 2                                 |
| Remarks                       |                  |                                              |
| Pack quantity                 |                  | 1 pcs.                                       |

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IEBC003BASKG/0,3M/US

### Electrical connection - plug

Cable: 0.3 m, PVC; 3 x 0.14 mm<sup>2</sup>

Connector: 1 x M12; coding: A; Locking: rotatable

