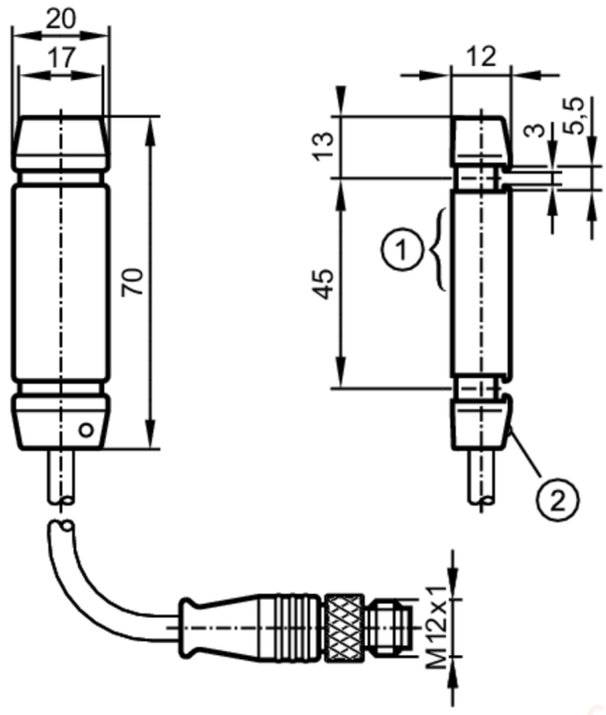
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# I85002

## Inductive tube sensor

I8-3014-BPKG/0,09M/US-100-DPS




1 Sensing face
2 LED operating status

| | | |
|---|---|---|
| **Product characteristics** | | |
| Electrical design | | PNP |
| Output function | | normally open |
| Sensing range | [mm] | < 14 |
| Housing | | rectangular |
| Dimensions | [mm] | 70 x 20 x 12 |
| **Application** | | |
| Operating principle | | static |
| **Electrical data** | | |
| Operating voltage | [V] | 10...35 DC |
| Current consumption | [mA] | < 15 |
| Protection class | | III |
| Reverse polarity protection | | yes |
| **Outputs** | | |
| Electrical design | | PNP |
| Output function | | normally open |
| Max. voltage drop switching output DC | [V] | 2 |
| Permanent current rating of switching output DC | [mA] | 200 |
| Short-circuit protection | | yes |
| Overload protection | | yes |

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## Inductive tube sensor

I8-3014-BPKG/0,09M/US-100-DPS

| | | |
|---|---|---|
| **Detection zone** | | |
| Sensing range | [mm] | < 14 |
| Resolution of steel ball (diameter) | [mm] | 3 |
| Max. part speed | [m/s] | 35 |
| **Response times** | | |
| Pulse stretching | [ms] | 100 |
| Max. fall time | [ms] | 100 |
| Response time | [ms] | < 0.5 |
| **Operating conditions** | | |
| Ambient temperature | [°C] | -25...70 |
| Protection | | IP 67 |
| **Tests / approvals** | | |
| MTTF | [years] | 1332 |
| UL approval | Ta | -25...70 °C |
| | Enclosure type | Type 4X (indoor use only) / 12 and 13 |
| | power supply | Class 2 |
| | File number UL | E174191 |
| **Mechanical data** | | |
| Weight | [g] | 59 |
| Housing | | rectangular |
| Dimensions | [mm] | 70 x 20 x 12 |
| Materials | | housing: PC |
| **Displays / operating elements** | | |
| Display | switching status | 1 x LED, yellow |
| | operation | 1 x LED, green |
| **Accessories** | | |
| Items supplied | | fixing straps: 2 |
| **Remarks** | | |
| Pack quantity | | 1 pcs. |

**Electrical connection - plug**

Cable: 0.09 m, PUR

Connector: 1 x M12; coding: A



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## Connection

