



## Inductive tube sensor

I8-3014-BPKG/AS-610-DPS



- 1 Sensing face
- 2 LED operating status
- 3 LED switching 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        |

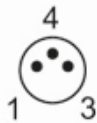
## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| 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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| 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]              | 50                                    |
| 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                                                        |                  |                                       |
| Connector: 1 x M8; coding: A                                                        |                  |                                       |
|  |                  |                                       |



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### Connection

