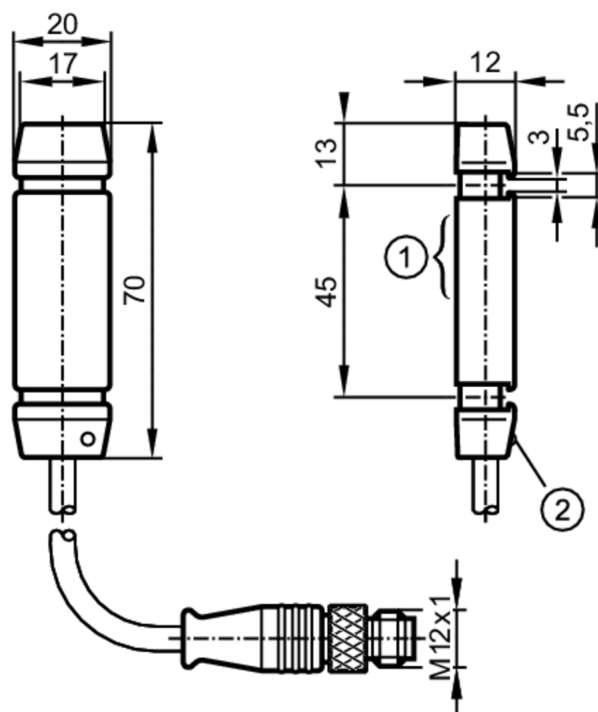




## Inductive tube sensor

I8-3020-ANKG/DY/0,09M/US100DPS

Article no longer available - archive entry



- 1 Sensing face  
2 LED operating status



## Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | NPN           |
| Output function    | normally open |
| Sensing range [mm] | < 20          |
| Housing            | rectangular   |
| Dimensions [mm]    | 70 x 20 x 12  |

## Application

|                     |         |
|---------------------|---------|
| Operating principle | dynamic |
|---------------------|---------|

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...35 DC |
| Current consumption [mA]    | < 25       |
| Protection class            | III        |
| Reverse polarity protection | yes        |

## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | NPN           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2             |
| Permanent current rating of switching output DC [mA] | 200           |

**Inductive tube sensor**

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|                          |     |
|--------------------------|-----|
| Short-circuit protection | yes |
| Overload protection      | yes |

**Detection zone**

|                                     |       |      |
|-------------------------------------|-------|------|
| Sensing range                       | [mm]  | < 20 |
| Resolution of steel ball (diameter) | [mm]  | 1    |
| Max. part speed                     | [m/s] | 35   |

**Response times**

|                  |      |       |
|------------------|------|-------|
| Pulse stretching | [ms] | 100   |
| Max. fall time   | [ms] | 100   |
| Response time    | [ms] | < 0.2 |

**Operating conditions**

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...70 |
| Protection          |      | IP 67    |

**Mechanical data**

|            |      |              |
|------------|------|--------------|
| Weight     | [g]  | 38.2         |
| 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

