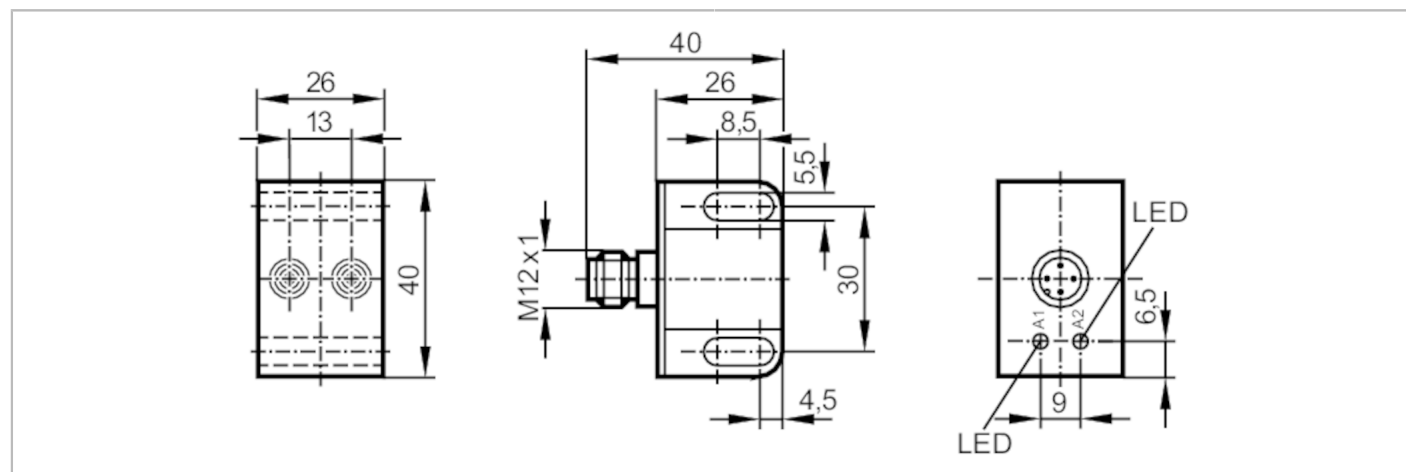




## Inductive dual sensor for valve actuators

IND3004DBPKG/US-100-DPV



### Electrical data

|                             |      |            |
|-----------------------------|------|------------|
| Operating voltage           | [V]  | 10...36 DC |
| Current consumption         | [mA] | 15         |
| Protection class            |      | II         |
| Reverse polarity protection |      | yes        |

### Outputs

|                                                 |      |                   |
|-------------------------------------------------|------|-------------------|
| Electrical design                               |      | PNP               |
| Output function                                 |      | 2 x normally open |
| Max. voltage drop switching output DC           | [V]  | 2.5               |
| Permanent current rating of switching output DC | [mA] | 250               |
| Switching frequency DC                          | [Hz] | 1300              |
| Short-circuit protection                        |      | yes               |
| Type of short-circuit protection                |      | pulsed            |
| Overload protection                             |      | yes               |

### Detection zone

|                       |      |          |
|-----------------------|------|----------|
| Sensing range         | [mm] | 4        |
| Real sensing range Sr | [mm] | 4 ± 10 % |
| Operating distance    | [mm] | 0...3.25 |

### Accuracy / deviations

|                    |           |                                                                             |
|--------------------|-----------|-----------------------------------------------------------------------------|
| Correction factor  |           | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis         | [% of Sr] | 1...15                                                                      |
| Switch point drift | [% of Sr] | -10...10                                                                    |

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 67    |

# IN5225



## Inductive dual sensor for valve actuators

IND3004DBPKG/US-100-DPV

### Tests / approvals

|              |                |                   |
|--------------|----------------|-------------------|
| EMC          | EN 60947-5-2   |                   |
|              | EN 55011       | class B           |
| MTTF [years] | 1057           |                   |
| UL approval  | Ta             | 0...40 °C         |
|              | Enclosure type | Type 1            |
|              | voltage supply | Unlimited Voltage |
|              | File number UL | E174191           |

### Mechanical data

|                        |                       |
|------------------------|-----------------------|
| Weight [g]             | 39.6                  |
| Housing                | rectangular           |
| Mounting               | non-flush mountable   |
| Dimensions [mm]        | 40 x 26 x 26          |
| Materials              | PBT                   |
| Tightening torque [Nm] | 0.6...1.5; (Lock nut) |

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 2 x LED, yellow |
|---------|------------------|-----------------|

### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection - plug

Connector: 1 x M12; Contacts: gold-plated



### Connection

