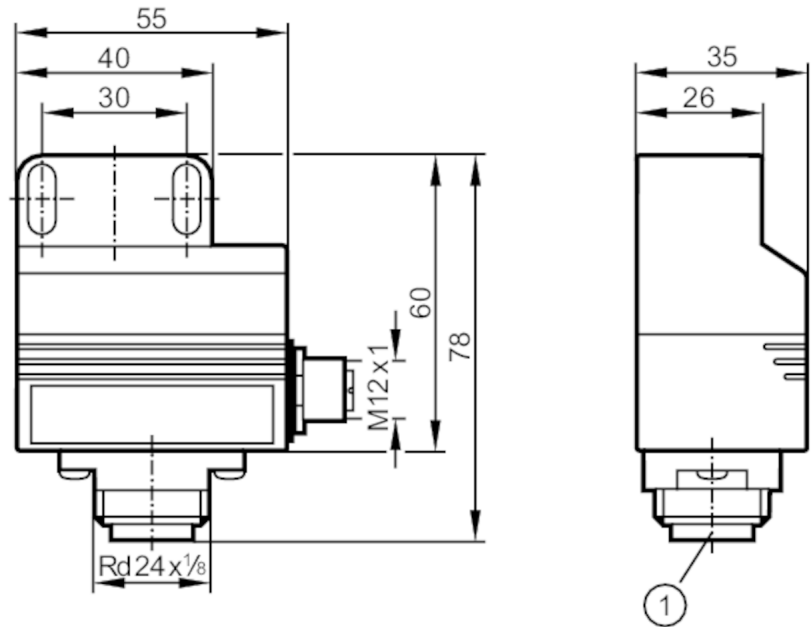


# IN5334



## Inductive dual sensor for valve actuators

IND3004DBPKG/T2



1 field connection



### Product characteristics

|                    |                   |
|--------------------|-------------------|
| Electrical design  | PNP               |
| Output function    | 2 x normally open |
| Sensing range [mm] | 4                 |
| Housing            | rectangular       |
| Dimensions [mm]    | 40 x 26 x 60      |

### Application

|             |                                                           |
|-------------|-----------------------------------------------------------|
| Application | for actuators using standard ISO 5211 (VDI/VDE ) mounting |
|-------------|-----------------------------------------------------------|

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 20; (36 V) |
| Protection class            | III        |
| 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               |



## Inductive dual sensor for valve actuators

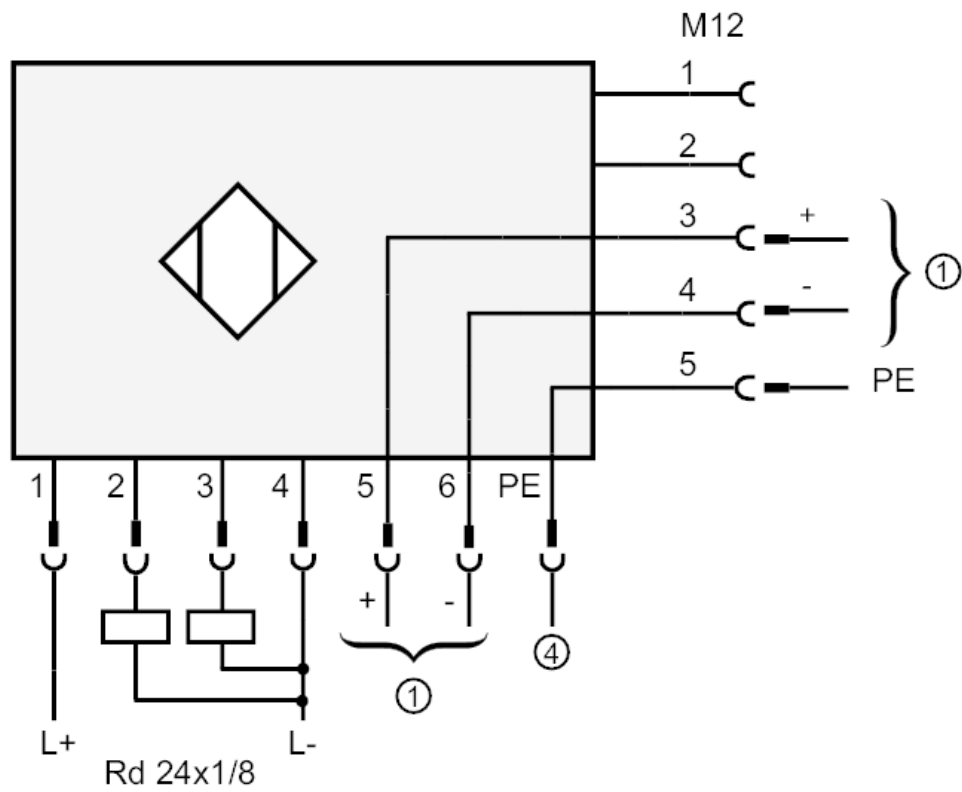
IND3004DBPKG/T2

| 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: 0.5 / aluminium: 0.4 / copper: 0.3 |
| Hysteresis                     | [% of Sr]        | 3...15                                                                      |
| Switch point drift             | [% of Sr]        | -10...10                                                                    |
| Operating conditions           |                  |                                                                             |
| Ambient temperature            | [°C]             | -25...80                                                                    |
| Protection                     |                  | IP 67                                                                       |
| Tests / approvals              |                  |                                                                             |
| EMC                            | EN 60947-5-2     |                                                                             |
|                                | EN 55011         | class B                                                                     |
| MTTF                           | [years]          | 1296                                                                        |
| UL approval                    | Ta               | 0...40 °C                                                                   |
|                                | Enclosure type   | Type 1                                                                      |
|                                | power supply     | Hazardous voltage                                                           |
|                                | File number UL   | E174191                                                                     |
| Mechanical data                |                  |                                                                             |
| Weight                         | [g]              | 171                                                                         |
| Housing                        |                  | rectangular                                                                 |
| Mounting                       |                  | non-flush mountable                                                         |
| Dimensions                     | [mm]             | 40 x 26 x 60                                                                |
| Materials                      |                  | PBT; PC                                                                     |
| Displays / operating elements  |                  |                                                                             |
| Display                        | switching status | 2 x LED, yellow                                                             |
| Accessories                    |                  |                                                                             |
| Items supplied                 |                  | Reinforcement bracket                                                       |
|                                |                  | socket head screws: 2 x M5 x 35                                             |
|                                |                  | washers: 2                                                                  |
| Remarks                        |                  |                                                                             |
| Remarks                        |                  | Suitable valves: valves according to NAMUR interface up to max. 20 W        |
| Pack quantity                  |                  | 1 pcs.                                                                      |
| Electrical connection - plug   |                  |                                                                             |
| Connector: 1 x Rd24; coding: A |                  |                                                                             |
|                                |                  |                                                                             |

## Inductive dual sensor for valve actuators

IND3004DBPKG/T2

### Connection



1 = solenoid valve 24 V DC / 20 W

### Electrical connection - socket

Connector: 1 x M12; coding: A

