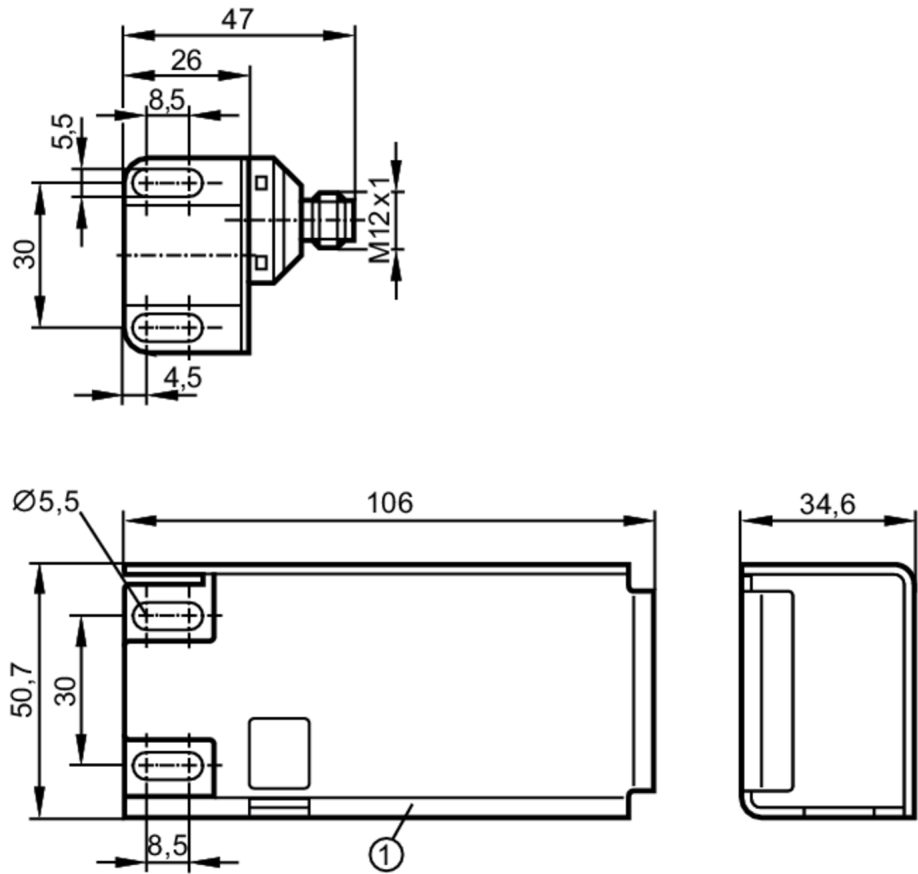


# IN507A



## Inductive dual sensor for valve actuators

IND3004DBPKG/US/3D/3G



1 Impact protection housing



### Product characteristics

|                    |                   |
|--------------------|-------------------|
| Electrical design  | PNP               |
| Output function    | 2 x normally open |
| Sensing range [mm] | 4                 |
| Housing            | rectangular       |
| Dimensions [mm]    | 40 x 26 x 47      |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...30 DC |
| Current consumption [mA]    | < 15       |
| 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] | 100               |

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|                                               |                  |                                                                             |
|-----------------------------------------------|------------------|-----------------------------------------------------------------------------|
| Short-time current rating of switching output | [mA]             | 100                                                                         |
| Switching frequency DC                        | [Hz]             | 1300                                                                        |
| Short-circuit protection                      |                  | yes                                                                         |
| Type of short-circuit protection              |                  | pulsed                                                                      |
| Overload protection                           |                  | yes                                                                         |
| <b>Detection zone</b>                         |                  |                                                                             |
| Sensing range                                 | [mm]             | 4                                                                           |
| Operating distance target puck                | [mm]             | 1                                                                           |
| <b>Accuracy / deviations</b>                  |                  |                                                                             |
| Correction factor                             |                  | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |
| Hysteresis                                    | [% of Sr]        | 1...15                                                                      |
| Switch point drift                            | [% of Sr]        | -10...10                                                                    |
| <b>Operating conditions</b>                   |                  |                                                                             |
| Ambient temperature                           | [°C]             | -20...60                                                                    |
| Protection                                    |                  | IP 67                                                                       |
| <b>Tests / approvals</b>                      |                  |                                                                             |
| ATEX marking                                  |                  | Ex II 3D Ex tc IIIC T80°C Dc IP67 X                                         |
|                                               |                  | Ex II 3G Ex ec IIC T6 Gc X                                                  |
| Note on ATEX marking                          |                  | only in conjunction with the impact protection housing                      |
| EMC                                           |                  | EN 60947-5-2                                                                |
| MTTF                                          | [years]          | 1064                                                                        |
| <b>Mechanical data</b>                        |                  |                                                                             |
| Weight                                        | [g]              | 341.5                                                                       |
| Housing                                       |                  | rectangular                                                                 |
| Dimensions                                    | [mm]             | 40 x 26 x 47                                                                |
| Materials                                     |                  | housing: PBT; cover: PC; Impact protection housing: stainless steel         |
| <b>Displays / operating elements</b>          |                  |                                                                             |
| Display                                       | switching status | 2 x LED, yellow                                                             |
| <b>Accessories</b>                            |                  |                                                                             |
| Items supplied                                |                  | Impact protection housing                                                   |
|                                               |                  | socket head screws: 2 x M5 x 35                                             |
|                                               |                  | Mounting plate: 1                                                           |
| <b>Remarks</b>                                |                  |                                                                             |
| Pack quantity                                 |                  | 1 pcs.                                                                      |

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### Electrical connection - plug

Connector: 1 x M12; coding: A; Moulded body: stainless steel



### Connection

