



## IFOD 10-300-10/01P

- Thermoplastic enclosure
- DC 3-wire
- Wiring compartment can be turned 180°
- Design M30
- Wiring compartment

## Data

### Ordering data

|                               |                    |
|-------------------------------|--------------------|
| Product type description      | IFOD 10-300-10/01P |
| Article number (order number) | 103038718          |
| EAN (European Article Number) | 4030661545981      |
| eCl@ss number, version 9.0    | 27-27-09-03        |
| eCl@ss number, version 11.0   | 27-27-09-03        |
| eCl@ss number, version 12.0   | 27-27-09-03        |
| ETIM number, version 7.0      | EC001821           |
| ETIM number, version 6.0      | EC001821           |

### General data

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Standards                       | EN IEC 60947-5-2<br>DIN VDE 0660-208 |
| Housing construction form       | Cylinder, thread                     |
| Enclosure material              | Plastic                              |
| Active area                     | Plastic                              |
| Material of the nuts            | Plastic                              |
| Material of the washer          | Perbunan®                            |
| Detection range $S_d$ , maximum | 1,000 mm                             |

|              |      |
|--------------|------|
| Gross weight | 79 g |
|--------------|------|

### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Integral system diagnostics, status | Yes |
| Number of cable wires               | 3   |

### Mechanical data

|                                    |      |
|------------------------------------|------|
| Tightening torque of nuts, maximum | 4 Nm |
|------------------------------------|------|

### Mechanical data - Connection technique

|                        |                         |
|------------------------|-------------------------|
| Termination            | Screw connection        |
| Cable section, maximum | 3 x 1.5 mm <sup>2</sup> |
| Wire cross-section     | 15 AWG                  |

### Mechanical data - Dimensions

|                          |        |
|--------------------------|--------|
| ISO thread of the sensor | M30    |
| width across flats       | 36 BK  |
| Length of sensor         | 118 mm |
| Width of sensor          | 46 mm  |
| Height of sensor         | 46 mm  |

### Ambient conditions

|                              |        |
|------------------------------|--------|
| Degree of protection         | IP65   |
| Ambient temperature, minimum | -5 °C  |
| Ambient temperature, maximum | +70 °C |
| Protection class             | II     |

### Electrical data

|              |                     |
|--------------|---------------------|
| Voltage type | DC (direct current) |
|--------------|---------------------|

|                                        |                                   |
|----------------------------------------|-----------------------------------|
| Operating voltage, minimum             | 10 V                              |
| Operating voltage, maximum             | 60 V                              |
| No-load supply current $I_0$ , maximum | 2.4 mA                            |
| Operating current                      | 400 mA                            |
| Switching element                      | NO contact or NC contact          |
| Protection circuit integrated          | inductive interference protection |
| Switching frequency, approx.           | 100 Hz                            |

### Electrical data - Digital Output

|                               |        |
|-------------------------------|--------|
| Voltage drop $U_d$ , maximum  | 2 V    |
| Current at Voltage drop $U_d$ | 0.4 A  |
| Design of control elements    | p-type |

### Status indication

|                                             |            |
|---------------------------------------------|------------|
| Note (Integral System Diagnostics, status ) | yellow LED |
|---------------------------------------------|------------|

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, 42279 Wuppertal

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

Generated on: 26/08/2022, 12:05