



## IFL 15-300-10/01YG

- 1 Cable entry PG9 x 1.5
- Thermoplastic enclosure
- AC 2-wire
- Double-insulated
- Wiring compartment
- Design M30

## Data

### Ordering data

|                               |                    |
|-------------------------------|--------------------|
| Product type description      | IFL 15-300-10/01YG |
| Article number (order number) | 101060599          |
| EAN (European Article Number) | 4030661047829      |
| eCl@ss number, version 9.0    | 27-27-01-01        |
| eCl@ss number, version 11.0   | 27-27-01-01        |
| ETIM number, version 7.0      | EC002714           |
| ETIM number, version 6.0      | EC002714           |

### Approvals - Standards

|              |     |
|--------------|-----|
| Certificates | CCC |
|--------------|-----|

### General data

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| Standards                            | EN IEC 60947-5-2<br>DIN VDE 0660-208 |
| Housing construction form            | Cylinder, thread                     |
| Installation conditions (mechanical) | not flush                            |
| Enclosure material                   | Plastic                              |

|                        |           |
|------------------------|-----------|
| Active area            | Plastic   |
| Material of the nuts   | Plastic   |
| Material of the washer | Perbunan® |
| Gross weight           | 70 g      |

### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Integral system diagnostics, status | Yes |
| Number of cable wires               | 2   |

### Mechanical data

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

### Mechanical data - Switching distances according EN IEC 60947-5-3

|                                  |       |
|----------------------------------|-------|
| Nominal switching distance $S_n$ | 15 mm |
|----------------------------------|-------|

### Mechanical data - Connection technique

|                        |                         |
|------------------------|-------------------------|
| Termination            | Screw connection        |
| Cable section, maximum | 1 x 1.5 mm <sup>2</sup> |

### Mechanical data - Dimensions

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

### Ambient conditions

|                              |        |
|------------------------------|--------|
| Degree of protection         | IP65   |
| Ambient temperature, minimum | -25 °C |
| Ambient temperature, maximum | +70 °C |
| Protection class             | II     |

## Ambient conditions - Insulation values

|                                           |      |
|-------------------------------------------|------|
| Rated impulse withstand voltage $U_{imp}$ | 4 kV |
|-------------------------------------------|------|

## Electrical data

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Voltage type                    | AC (alternating current)          |
| Rated supply frequency, minimum | 45 Hz                             |
| Rated supply frequency, maximum | 65 Hz                             |
| Operating voltage, minimum      | 15 V                              |
| Operating voltage, maximum      | 250 V                             |
| Operating current, minimum      | 10 mA                             |
| Operating current               | 500 mA                            |
| Switching element               | NO contact or NC contact          |
| Protection circuit integrated   | inductive interference protection |
| Switching frequency, approx.    | 10 Hz                             |

## Electrical data - Digital Output

|                                 |          |
|---------------------------------|----------|
| Voltage drop $U_d$ , maximum    | 4.5 V    |
| Current at Voltage drop $U_d$   | 0.2 A    |
| Design of control elements      | Two-wire |
| Current leakage $I_r$ , maximum | 1 mA     |

## Status indication

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

## Note

|                |                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------|
| Note (General) | Instead of nuts, a mounting clamp can be provided.<br>Programmable by repositioning the plug-in jumper at the terminal screws |
|----------------|-------------------------------------------------------------------------------------------------------------------------------|

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.

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