



## IFL15-300-10/01D

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

### Data

#### Ordering data

|                               |                   |
|-------------------------------|-------------------|
|                               | IFL 15-300-10/01D |
|                               | 101110280         |
| EAN (European Article Number) | 4030661086774     |
| eCl@ss number, Version 9.0    | 27-27-01-01       |

#### Approval - Standards

CCC

#### General data

|                                      |                       |
|--------------------------------------|-----------------------|
|                                      | IFL - M30             |
|                                      | IEC/EN 60947-5-2      |
|                                      | 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 <sup>®</sup> |
| Gross weight                         | 70 g                  |

#### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Integral System Diagnostics, status | Yes |
| Number of cable wires               | 2   |

## Mechanical data

|                                    |       |
|------------------------------------|-------|
| Switch distance                    | 15 mm |
| Tightening torque of nuts, maximum | 4 Nm  |

## Mechanical data - Connection technique

|                    |                                             |
|--------------------|---------------------------------------------|
| Terminal Connector | Screw connection<br>1 x 1.5 mm <sup>2</sup> |
|--------------------|---------------------------------------------|

## Mechanical data - Dimensions

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

## Ambient conditions

|                              |                       |
|------------------------------|-----------------------|
| Protection class             | IP 65 to IEC/EN 60529 |
| Ambient temperature, minimum | -25 °C                |
| Ambient temperature, maximum | +70 °C                |
|                              | II                    |

## Electrical data

|                               |                                                                              |
|-------------------------------|------------------------------------------------------------------------------|
| Voltage type                  | DC (direct current)                                                          |
| Operating voltage, minimum    | 10 V                                                                         |
| Operating voltage, maximum    | 40 V                                                                         |
| Operating current, minimum    | 0 mA                                                                         |
| Operating current             | 200 mA                                                                       |
| Switching element             | NO contact or NC contact<br>inductive interference protection                |
| Protection circuit integrated | Protection against polarity reversal<br>Surge protection<br>Max. fuse rating |
| Switching frequency, approx.  | 100 Hz                                                                       |

## Electrical data - Digital Output

|                               |          |
|-------------------------------|----------|
| Voltage drop $U_d$ , maximum  | 5.5 V    |
| Current at Voltage drop $U_d$ | 0.1 A    |
| Versions                      | Two-wire |
| Current leakage               | 0.5 mA   |

## Status indication

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

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

**Ordering code**

Product type description:

IFL (1)-(2)(3)-(4)(5)(6)(7)-(8)

**10** Switching distance 10 mm

**15** Switching distance 15 mm

(2)

**30** Cylinder, thread M30, metal

**300** Cylinder, thread M30, plastic

(3)

**without** Standard body

**M** Miniature body

**L** Long design

(4)

**01** Opener (NC)

**10** Normally open contact (NO)

**10/01** NO contact / NC contact with wiring compartment

**11** 1 NO contact / 1 NC contact antivalent

(5)

**without** Cable

**ST** Male connector

**T** Conductor with strain relief

**D** DC 2-wire

(6)

**without** Standard connector version

**2** Alternative conector version

**N** n-type

**P** p-type

(8)

**1310** Can be used up to +110 C (for alternating current (AC) only)

**2130** Can be used up to +130 C, without LED switching conditions display

**1766** Can be used up to +110 C (for p-type or n-type only)

Pictures

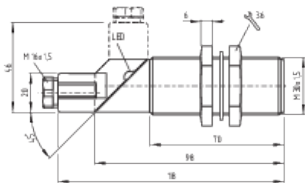
Photo/Product/Catalogue



ID: kifl1f16

| 498,1 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 Pixel - 72 dpi  
| 43,6 kB | .png | 74.083 x 111.125 mm - 210 x 315 Pixel - 72 dpi

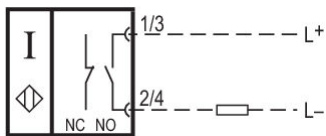
Dimension/Product/Basic



ID: lifl1g18

| 7,4 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel - 72 dpi  
| 24,6 kB | .cdr |  
| 94,1 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693 Pixel - 72 dpi

Graphic/Product/Contact



ID: id2ak03

| 46,0 kB | .jpg | 352.778 x 144.639 mm - 1000 x 410 Pixel - 72 dpi  
| 31,0 kB | .cdr |

Illistration/Product/Function



ID: sifl1dd01

| 50,1 kB | .jpg | 352.778 x 149.578 mm - 1000 x 424 Pixel - 72 dpi  
| 1,4 kB | .png | 74.083 x 31.397 mm - 210 x 89 Pixel - 72 dpi

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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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