



## IFL15-30-10T

- AC 2-wire
- Design M30
- Metal enclosure
- Double-insulated

### Data

#### Ordering data

|                               |               |
|-------------------------------|---------------|
|                               | IFL 15-30-10T |
|                               | 101141544     |
| EAN (European Article Number) | 4030661122441 |
| 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                   | Brass            |
| Enclosure coating material           | nickel-plated    |
| Active area                          | Plastic          |
| Material of the nuts                 | Brass            |
| Gross weight                         | 200 g            |

#### General data - Features

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

### Mechanical data

|                                    |       |
|------------------------------------|-------|
| Switch distance                    | 15 mm |
| Tightening torque of nuts, maximum | 30 Nm |

### Mechanical data - Connection technique

|                    |                            |
|--------------------|----------------------------|
| Terminal Connector | Cable H03VV-F              |
| Length of cable    | 2 m                        |
| Wire cross-section | 0.5 mm <sup>2</sup><br>PVC |

### Mechanical data - Dimensions

|                    |        |
|--------------------|--------|
|                    | M30    |
| width across flats | 36 BK  |
| Length of sensor   | 100 mm |

### Ambient conditions

|                              |                       |
|------------------------------|-----------------------|
| Protection class             | IP 67 to IEC/EN 60529 |
| Ambient temperature, minimum | -25 °C                |
| Ambient temperature, maximum | +70 °C                |
|                              | II                    |

### Ambient conditions - Insulation value

|                                 |      |
|---------------------------------|------|
| Rated impulse withstand voltage | 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               | Normally open contact (NO)        |
| 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    |
| Versions                      | Two-wire |

## Status indication

Note (Integral System Diagnostics, status )      yellow LED

## Notes

Note (General)      Instead of nuts, a mounting clamp can be provided.

## Ordering code

Product type description:

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

(1)

**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 connector  
version

(7)

**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

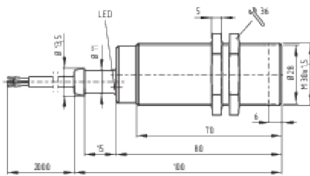


ID: kifl1f17

| 42,4 kB | .png | 74.083 x 111.125 mm - 210 x 315  
Pixel - 72 dpi

| 455,7 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 Pixel - 72 dpi

### Dimension/Product/Basic



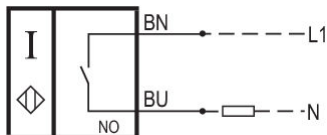
ID: 1ifl1g06

| 25,3 kB | .cdr |

| 88,3 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695  
Pixel - 72 dpi

| 6,8 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel  
- 72 dpi

### Graphic/Product/Contact



ID: ia2lk01

| 29,6 kB | .cdr |

| 39,3 kB | .jpg | 352.778 x 148.167 mm - 1000 x 420  
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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