



## IFL10-30M-10P

- DC 3-wire
- Design M30
- miniature body
- Metal enclosure

### Data

#### Ordering data

|                               |                |
|-------------------------------|----------------|
|                               | IFL 10-30M-10P |
|                               | 101083094      |
| EAN (European Article Number) | 4030661018515  |
| eCl@ss number, Version 9.0    | 27-27-01-01    |

#### General data

|                                      |                  |
|--------------------------------------|------------------|
|                                      | IFL - M30        |
|                                      | IEC/EN 60947-5-2 |
|                                      | DIN VDE 0660-208 |
| Housing construction form            | Cylinder, thread |
| Installation conditions (mechanical) | flush            |
| Enclosure material                   | Brass            |
| Enclosure coating material           | nickel-plated    |
| Active area                          | Plastic          |
| Material of the nuts                 | Brass            |
| Gross weight                         | 150 g            |

#### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Integral System Diagnostics, status | Yes |
| Number of cable wires               | 3   |

#### Mechanical data

|                                    |       |
|------------------------------------|-------|
| Switch distance                    | 10 mm |
| Tightening torque of nuts, maximum | 30 Nm |

### Mechanical data - Connection technique

|                    |                                                        |
|--------------------|--------------------------------------------------------|
| Terminal Connector | Cable                                                  |
| Length of cable    | 2 m                                                    |
| Wire cross-section | 0.3 mm <sup>2</sup><br>3 x 0.34 mm <sup>2</sup><br>PVC |

### Mechanical data - Dimensions

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

### Ambient conditions

|                              |                       |
|------------------------------|-----------------------|
| Protection class             | IP 67 to IEC/EN 60529 |
| Ambient temperature, minimum | -25 °C                |
| Ambient temperature, maximum | +70 °C                |
| Protection rating            | 0                     |

### Electrical data

|                               |                                                                              |
|-------------------------------|------------------------------------------------------------------------------|
| Voltage type                  | DC (direct current)                                                          |
| Operating voltage, minimum    | 10 V                                                                         |
| Operating voltage, maximum    | 30 V                                                                         |
| No-load current               | 3.5 mA                                                                       |
| Operating current             | 200 mA                                                                       |
| Switching element             | Normally open contact (NO)<br>inductive interference protection              |
| Protection circuit integrated | Protection against polarity reversal<br>Surge protection<br>Max. fuse rating |
| Switching frequency, approx.  | 350 Hz                                                                       |

### Electrical data - Digital Output

|                               |        |
|-------------------------------|--------|
| Voltage drop $U_d$ , maximum  | 1.2 V  |
| Current at Voltage drop $U_d$ | 0.2 A  |
| Versions                      | p-type |

### 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

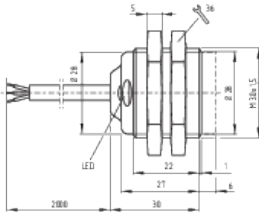


ID: kifl1f28

| 266,5 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 Pixel - 72 dpi

| 21,8 kB | .png | 74.083 x 111.125 mm - 210 x 315  
Pixel - 72 dpi

### Dimension/Product/Basic



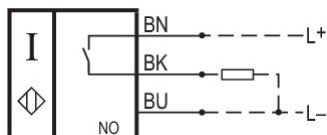
ID: 1ifl1g27

| 7,8 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel  
- 72 dpi

| 101,7 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691  
Pixel - 72 dpi

| 25,9 kB | .cdr |

### Graphic/Product/Contact



ID: id3lk05

| 31,7 kB | .cdr |

| 48,6 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416  
Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-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.

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+010001pm31
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