# DATASHEET



## IFL 15-30-10/01YG

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

## Data

### Ordering data

| | |
|---|---|
| Product type description | IFL 15-30-10/01YG |
| Article number (order number) | 101056906 |
| EAN (European Article Number) | 4030661022413 |
| 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 |

### Approval - Standards

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

### General data

| | |
|---|---|
| Standards | IEC/EN 60947-5-2<br>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 | 140 g |

## General data - Features

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

## Mechanical data

| | |
|---|---|
| Tightening torque of nuts, maximum | 30 Nm |

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

| | |
|---|---|
| Switch distance | 15 mm |

## Mechanical data - Connection technique

| | |
|---|---|
| Terminal Connector | Screw connection |
| Cable section, maximum | 1 x 1.5 mm² |

## Mechanical data - Dimensions

| | |
|---|---|
| ISO thread of the sensor | M30 |
| width across flats | 36 BK |
| Length of sensor | 126 mm |

## Ambient conditions

| | |
|---|---|
| Degree of protection | IP65 to EN 60529 |
| Ambient temperature, minimum | -25 °C |
| Ambient temperature, maximum | +70 °C |
| Protection rating | II |

## Ambient conditions - Insulation value

| | |
|---|---|
| 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 |
| Versions | Two-wire |
| Current leakage, maximum $I_r$ | 1 mA |

## Status indication

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

## Notes

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

## 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 conector version |

(7)

| | |
|---|---|
| **N** | n-type |
| **P** | p-type |

(8)

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

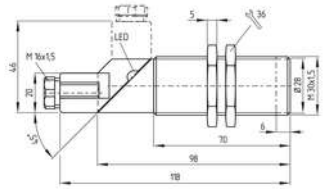
# Pictures

## Product picture (catalogue individual photo)



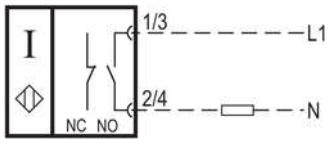
ID: kifl1f19
| 689.0 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi
| 64.5 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi

## Dimensional drawing basic component




ID: 1ifl1g10
| 26.7 kB | .cdr |
| 7.9 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 105.8 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

## Diagram




ID: ia2ak06
| 30.9 kB | .cdr |
| 45.9 kB | .jpg | 352.778 x 148.167 mm - 1000 x 420 px - 72 dpi

## Operating principle




ID: sifldd01
| 53.6 kB | .ai | 297 x 210.002 mm - 841 x 595 px - 72 dpi
| 50.1 kB | .jpg | 352.778 x 149.578 mm - 1000 x 424 px - 72 dpi
| 1.4 kB | .png | 74.083 x 31.397 mm - 210 x 89 px - 72 dpi