# DATASHEET



## IFL 15-333-11YPG-M20

- 1 Cable entry M 20 x 1.5
- Thermoplastic enclosure
- DC 4-wire
- Double-insulated
- Wiring compartment
- Design 333

## Data

### Ordering data

| | |
|---|---|
| Product type description | IFL 15-333-11YPG-M20 |
| Article number (order number) | 101169258 |
| EAN (European Article Number) | 4030661295381 |
| eCl@ss number, version 12.0 | 27-27-40-01 |
| eCl@ss number, version 11.0 | 27-27-01-01 |
| eCl@ss number, version 9.0 | 27-27-01-01 |
| ETIM number, version 7.0 | EC002714 |
| ETIM number, version 6.0 | EC002714 |

### Approvals - Standards

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

### General data

| | |
|---|---|
| Standards | DIN VDE 0660-208<br>EN IEC 60947-5-2 |
| Housing construction form | Block |

| | |
|---|---|
| Installation conditions (mechanical) | flush |
| Housing material | Plastic |
| Material of the housing cover | Luran |
| Gross weight | 160 g |

## General data - Features

| | |
|---|---|
| Integral system diagnostics, status | Yes |
| Number of cable wires | 4 |

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

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

## Mechanical data - Connection technique

| | |
|---|---|
| Termination | Screw terminals M20 x 1.5 |
| Cable section, maximum | 2 x 1.5 mm² |

## Mechanical data - Dimensions

| | |
|---|---|
| Length of sensor | 40 mm |
| Width of sensor | 40 mm |
| Height of sensor | 112 mm |

## Ambient conditions

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

## Electrical data

| | |
|---|---|
| No-load supply current $I_0$, typical | 5.5 mA |
| Rated operating voltage | 10 ... 60 VDC |
| Operating current | 400 mA |
| Switching element | NO contact and NC contact (antivalent) |
| Protection circuit integrated | inductive interference protection<br>Protection against polarity reversal |
| Switching frequency, approx. | 100 Hz |
| Type of voltage range | DC |

## Electrical data - Digital Output

| | |
|---|---|
| Voltage drop $U_d$, maximum | 1.5 V |
| Current at Voltage drop $U_d$ | 0.4 A |
| Design of control elements | p-type |

## Status indication

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

## Note

| | |
|---|---|
| Note (General) | By repositioning the switch 5 different actuating directions can be selected. The selected actuating direction can be marked with a sticker. |

## Ordering code

Product type description:
IFL (1)-(2)-(3)(4)(5)(6)

(1)

| | |
|---|---|
| **15** | Switching distance 15 mm |
| **20** | Switching distance 20 mm |

(2)

| | |
|---|---|
| **333** | Square design, 112 x 40 x 40 mm |

(3)

| | |
|---|---|
| **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 |

(4)

| | |
|---|---|
| **without** | Cable |
| **D** | DC 2-wire |
| **A** | Alternating current/direct current AC/DC |

(5)

| | |
|---|---|
| **Y** | Protection class IP65 |
| **Z** | Protection class IP67 |

(6)

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

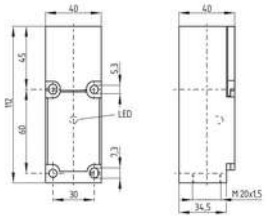
## Pictures

### Product picture (catalogue individual photo)



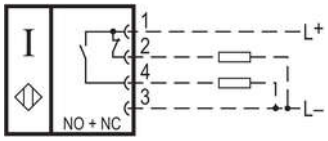
ID: kifl2f33
| 700.4 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi
| 58.0 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi
| 48.2 kB | .jpg | 82.197 x 123.472 mm - 233 x 350 px - 72 dpi

### Dimensional drawing basic component




ID: 1ifl1g20
| 23.4 kB | .cdr |
| 3.3 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 79.5 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693 px - 72 dpi

## Diagram




ID: id4ak01
| 34.8 kB | .cdr |
| 56.9 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416 px - 72 dpi
| 2.7 kB | .png | 74.083 x 30.692 mm - 210 x 87 px - 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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