



## IFL20-333-11P-M20

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

### Data

#### Ordering data

Product type description	IFL 20-333-11YPG
Article number (order number)	101173918
EAN (European Article Number)	4030661303055
eCI@ss number, Version 9.0	27-27-01-01

#### Approval - Standards

Certificates	CCC
--------------	-----

#### General data

Product name	IFL - 333
Standards	IEC/EN 60947-5-2 DIN VDE 0660-208
Housing construction form	Block
Installation conditions (mechanical)	not flush
Enclosure material	Plastic
Material of the cover	Luran
Gross weight	160 g

#### General data - Features

Integral System Diagnostics, status	Yes
Number of cable wires	4

## Mechanical data

Switch distance 20 mm

## Mechanical data - Connection technique

Terminal Connector Screw connection

Cable section, maximum 2 x 1.5 mm<sup>2</sup>

## Mechanical data - Dimensions

Height of sensor 112 mm

Length of sensor 40 mm

Width of sensor 40 mm

## Ambient conditions

Protection class IP 65 to IEC/EN 60529

Ambient temperature, minimum -25 °C

Ambient temperature, maximum +70 °C

Protection rating II

## Electrical data

Voltage type DC (direct current)

Operating voltage, minimum 10 V

Operating voltage, maximum 60 V

No-load current 5.5 mA

Operating current 400 mA

Switching element NO contact and NC contact (antivalent)

Protection circuit integrated inductive interference protection  
Protection against polarity reversal

Switching frequency, approx. 100 Hz

## Electrical data - Digital Output

Voltage drop  $U_d$ , maximum 1.5 V

Current at Voltage drop  $U_d$  0.4 A

Versions p-type

## Status indication

Note (Integral System Diagnostics, status ) yellow LED

## Notes

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)

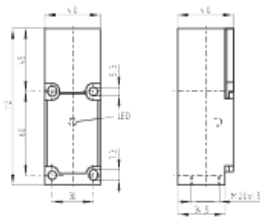


ID: kifl2f33

| 700,4 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 Pixel - 72 dpi

| 58,0 kB | .png | 74.083 x 111.125 mm - 210 x 315 Pixel - 72 dpi

## Dimensional drawing basic component



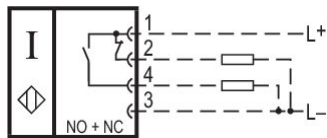
ID: 1ifl1g20

| 3,3 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel - 72 dpi

| 23,4 kB | .cdr |

| 79,5 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693 Pixel - 72 dpi

## Diagram



ID: id4ak01

| 34,8 kB | .cdr |

| 56,9 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416 Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, 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.

Generated on 26.11.2020 16:24:27