

## Datasheet - IFL 20-333-11YPG

Inductive proximity switch / Housing construction form: Block / IFL 333



Preferred typ



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

(Minor differences between the printed image and the original product may exist!)

### Ordering details

Product type description	IFL 20-333-11YPG
Article number	101173918
EAN Code	4030661303055
eCl@ss	27-27-01-01

### Approval

Approval



CCC

### Global Properties

Permanent light	IFL - 333
Standards	IEC/EN 60947-5-2; DIN VDE 0660-208
Compliance with the Directives (Y/N)	Yes
Operating resource protection class	Protection class 2
Materials	
- Material of the housings	Plastic
- Material of the cover	Luran
Housing coating	None
Housing construction form	Block
Weight	160

## Mechanical data

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Design of electrical connection	Screw connection
Conductor with strain relief	No
Cable section	
- Min. Cable section	
- Max. Cable section	2 x 1.5
mechanical installation conditions	not flush
Switch distance $S_n$	20 mm
Reduction factor 1 met (Y/N)	No
Protection circuit	inductive interference protection, Protection against polarity reversal
Pressure resistant (Y/N)	No
• Wiring compartment	

## Ambient conditions

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Ambient temperature	
- Min. environmental temperature	-25
- Max. environmental temperature	+70
Protection class	IP65 to IEC/EN 60529

## Electrical data

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Design of control element	Normally open contact (NO) and Opener (NC) (antivalent)
Number of wire	4
Voltage type	DC, direct current
Supply voltage $U_B$	
- Min. supply voltage	10
- Max. supply voltage	60
Switch frequency	approx. 100 HZ
Voltage drop $U_d$	approx. 1.5 V (400 mA)
Operating current $I_e$	400 mA
No-load current $I_0$	approx. 5.5 mA (24 V)

## Outputs

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Design of control output	PNP
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## LED switching conditions display

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LED switching conditions display (Y/N)	Yes
- yellow LED	

## ATEX

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Explosion protection categories for gases	None
Explosion protected category for dusts	None

## Dimensions

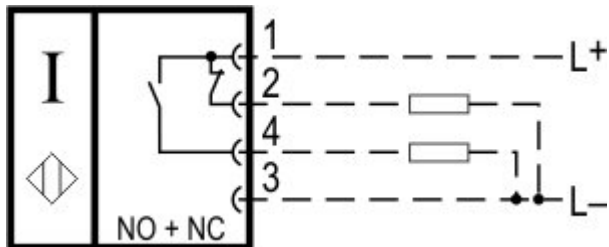
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Dimensions of the sensor	
- Width of sensor	40
- Height of sensor	112

**notice**

By repositioning the switch 5 different actuating directions can be selected. The selected actuating direction can be marked with a sticker.

**Diagram**



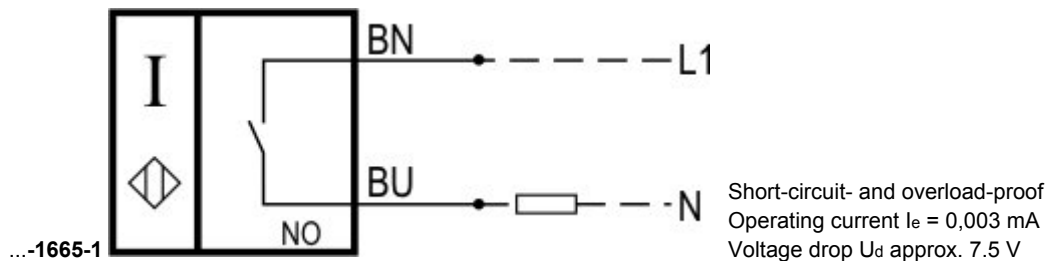
Note Diagram

- positive break NC contact
- active
- no active
- Normally-open contact
- Normally-closed contact

**Ordering suffix**

The applicable ordering suffix is added at the end of the part number of the safety switch.

Order example: IFL 20-333-11YPG-1665-1



**Ordering code**

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

(1)	
15	Switch distance 15 mm
20	Switch distance 20 mm
(2)	
333	Block Design, 112 x 40 x 40 mm
(3)	
01	Opener (NC)
10	Normally open contact (NO)
10/01	Normally open contact (NO) / Opener (NC) with Wiring compartment
11	Normally open contact (NO) / Opener (NC) 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

## Documents

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**Mounting and wiring instructions** (de, en, fr) 80 kB, 27.09.2010

Code: m\_fl3p01

**Declaration of conformity** (en) 91 kB, 13.04.2017

Code: konfi\_ifl\_en

**Declaration of conformity** (de) 96 kB, 01.07.2016

Code: konfi\_ifl\_de

**CCC certification** (en) 4 MB, 11.07.2018

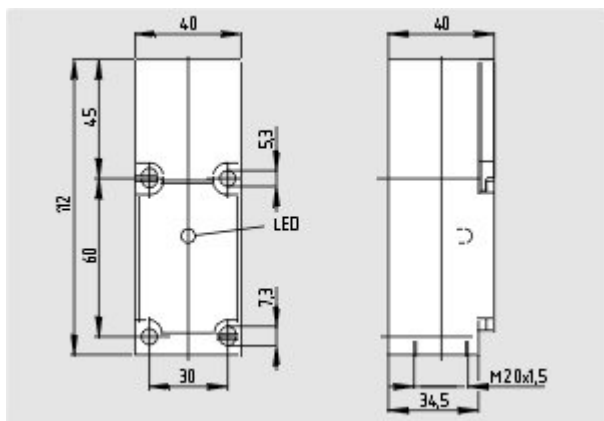
Code: q\_iflp01

**CCC certification** (cn) 4 MB, 11.07.2018

Code: q\_iflp04

## Images

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Dimensional drawing (basic component)

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

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