

Datasheet - IFL 20-333-11YPG

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



☒ Preferred typ



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

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

Ordering details

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

Approval

Approval



Global Properties

Product name	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 g

Mechanical data

Design of electrical connection	Screw connection
Conductor with strain relief	No
Cable section	
- Min. Cable section	
- Max. Cable section	2 x 1.5 mm²
mechanical installation conditions	not flush
Switch distance	20 mm
Reduction factor 1 met (Y/N)	No
Protection circuit	inductive interference protection, Protection against polarity reversal
Pressure resistant (Y/N)	No

Ambient conditions

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

Electrical data

Design of control element	Normally open contact (NO) and Opener (NC) (antivalent)
Number of wire	4 piece
Voltage type	DC, direct current
Supply voltage U _B	
- Min. supply voltage	10 V
- Max. supply voltage	60 V
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

Design of control output	PNP
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LED switching conditions display

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

ATEX

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

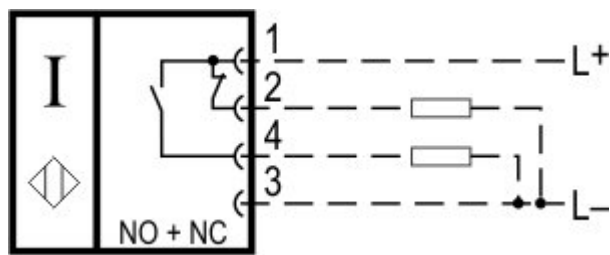
Dimensions

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

notice

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

Diagram

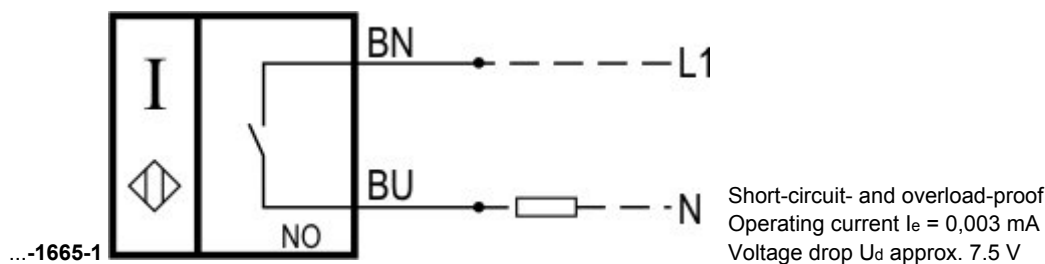


Note Diagram

- 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

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

Code: m_fl3p01

Declaration of conformity (en, de) 232 kB, 05.11.2013

Code: __iflp01

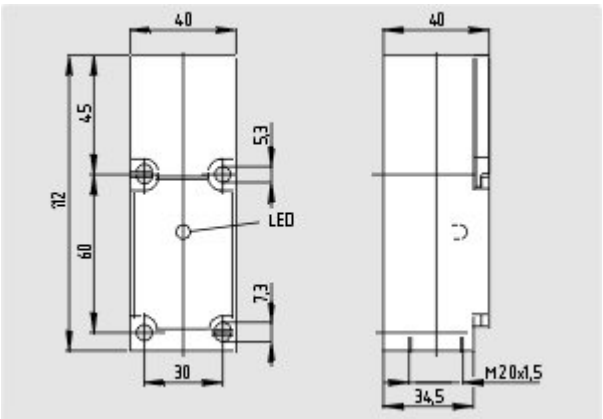
CCC certification (en) 606 kB, 23.06.2014

Code: q_iflp01

CCC certification (cn) 620 kB, 23.06.2014

Code: q_iflp04

Images



Dimensional drawing (basic component)
