

Datasheet - IFL 50-385-11P-M20

Inductive proximity switch / Housing construction form: Block / IFL 385



Preferred typ



- Design 385
- Thermoplastic enclosure
- DC 4-wire
- Double-insulated
- 3 cable entries M 20 x 1.5

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

Ordering details

Product type description	IFL 50-385-11P-M20
Article number	101174071
EAN Code	4030661303239
eCl@ss	27-27-01-01

Approval

Approval



Global Properties

Permanent light	IFL - 385
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
Housing coating	None
Housing construction form	Block
Weight	415

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
mechanical installation conditions	not flush
Switch distance 70 mm available on request	
Switch distance S_n	50 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

Ambient temperature	
- Min. environmental temperature	-25
- Max. environmental temperature	+70
Protection class	IP67 to IEC/EN 60529

Electrical data

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. 25 HZ
Voltage drop U_d	approx. 1.5 V (400 mA)
Operating current I_e	400 mA
No-load current I_o	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

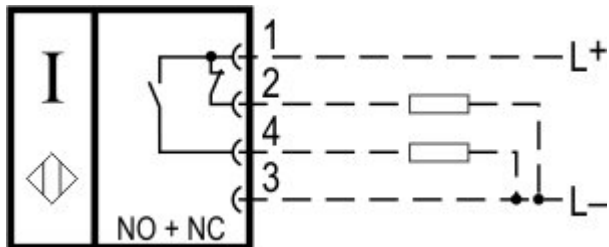
Dimensions

Dimensions of the sensor	
- Width of sensor	80
- Height of sensor	135

notice

Mounting angle HW 385-1 to simplify mounting available

Diagram



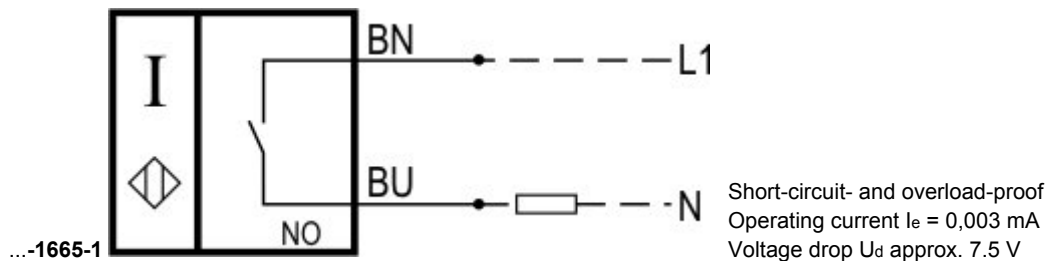
Note Diagram

- 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 50-385-11P-M20-1665-1



Ordering code

IFL (1)-(2)-(3)(4)(5)(6)(7)

- (1)
50 Switch distance 50 mm
- (2)
385 Block Design, 135 x 80 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
- (5)

Z	Protection class IP67
(6)	
N	n-type
P	p-type
(7)	
2130	Max. +130°C, without LED switching conditions display

Documents

Operating instructions (nl) 134 kB, 01.08.2018

Code: mrl_ifl-allgemein_nl

Operating instructions (en) 128 kB, 31.08.2016

Code: mrl_ifl-allgemein_en

Operating instructions (pl) 137 kB, 21.10.2016

Code: mrl_ifl-allgemein_pl

Operating instructions (pt) 109 kB, 06.04.2017

Code: mrl_ifl-allgemein_pt

Operating instructions (it) 108 kB, 21.10.2016

Code: mrl_ifl-allgemein_it

Operating instructions (es) 110 kB, 21.10.2016

Code: mrl_ifl-allgemein_es

Operating instructions (cn) 177 kB, 05.05.2017

Code: mrl_ifl-allgemein_cn

Operating instructions (de) 131 kB, 31.08.2016

Code: mrl_ifl-allgemein_de

Operating instructions (fr) 110 kB, 21.10.2016

Code: mrl_ifl-allgemein_fr

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

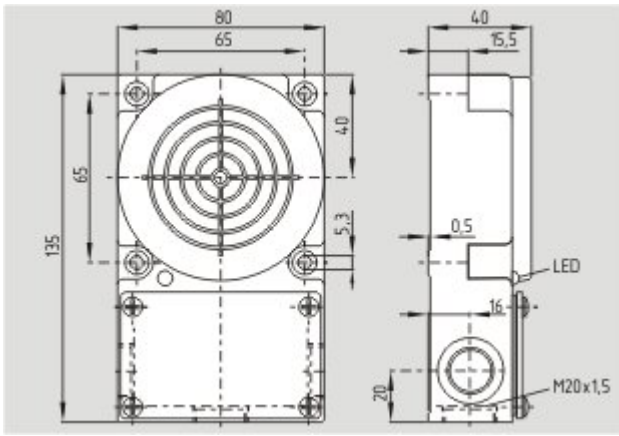
CCC certification (en) 4 MB, 11.07.2018

Code: q_iflp01

CCC certification (cn) 4 MB, 11.07.2018

Code: q_iflp04

Images



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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