

Datasheet - IFL 50-385-10/01

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



☒ Preferred typ



- Design 385
- 3 Cable entry M 20 x 1.5
- Thermoplastic enclosure
- AC 2-wire
- Double-insulated ☐
- Wiring compartment

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

Ordering details

Product type description	IFL 50-385-10/01
Article number	101173397
EAN code	4030661302508
eCl@ss	27-27-01-01

Approval

Approval	 CCC
----------	---

Global Properties

Product name	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 construction form	Block
Weight	420 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	50 mm
Reduction factor 1 met (Y/N)	No
Protection circuit	inductive interference protection
Pressure resistant (Y/N)	No

Ambient conditions

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

Electrical data

Design of control element	Normally open contact (NO) or Opener (NC)
Number of wire	2 piece
Voltage type	AC, alternating current
Supply voltage U ^B	
- Min. supply voltage	15 V
- Max. supply voltage	250 V
Rated supply frequency	45 ... 65 Hz
Switch frequency	approx. 10 Hz
Voltage drop U ^d	approx. 4.5 V (250 V / 200 mA)
Rated impulse withstand voltage U ^{imp}	4 kV
Residual current I ^r	1 mA
Minimum operating current	10 mA
Operating current I ^e	500 mA

Outputs

Design of control output	Two-wire
--------------------------	----------

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

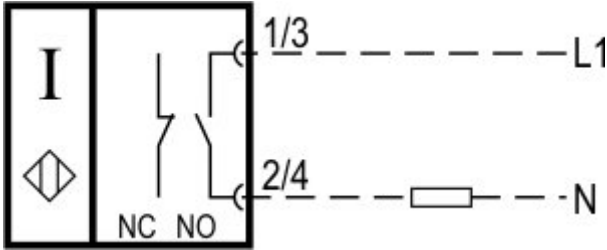
Dimensions

Dimensions of the sensor	
- Width of sensor	80 mm
- Height of sensor	135 mm
- Length of sensor	40 mm

notice

Programmable by repositioning the plug-in jumper at the terminal screws
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 50-385-10/01-**1522**

...-1522	Operating current I _e : max. 150 mA Voltage drop U _d : approx. 7.5 V (150 mA)
----------	--

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 (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 (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 (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, de) 232 kB, 05.11.2013

Code: __iflp01

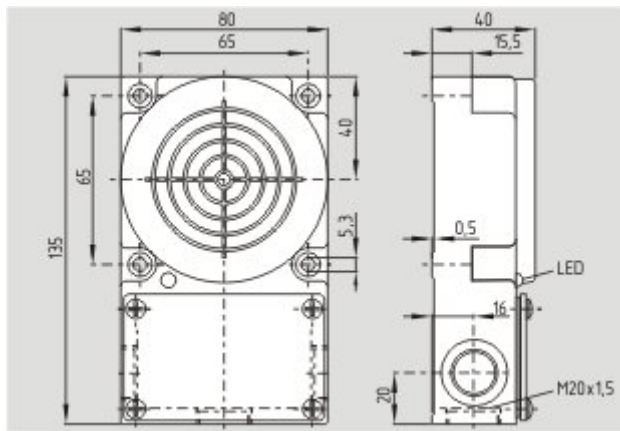
CCC certification (en) 871 kB, 28.06.2016

Code: q_iflp01

CCC certification (cn) 847 kB, 28.06.2016

Code: q_iflp04

Images



Dimensional drawing (basic component)



Operating principle

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, D-42279 Wuppertal

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

Generiert am 26.10.2016 - 02:56:54h Kasbase 3.2.5.F.64l