

## Datasheet - IFL 2-8M-10P

Inductive proximity switch / Housing construction form: cylinder, thread / IFL - M8

Preferred typ



- Design M 8 x 1
- Metal enclosure
- DC 3-wire
- miniature body

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

### Ordering details

Product type description	IFL 2-8M-10P
Article number	101107846
EAN code	4030661038544

### Global Properties

Product name	IFL - M8
Standards	IEC/EN 60947-5-2; DIN VDE 0660-208
Compliance with the Directives (Y/N)	CE
Operating resource protection class	Yes
Materials	None
- Material of the housings	Brass
- Material of the nuts	Brass
- Material of the cable mantle	PVC
- Material of the active surface	Plastic
Housing coating	nickel-plated
Housing construction form	cylinder, thread
Weight	55 g

### Mechanical data

Design of electrical connection	Cable
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Cable length	2 m
Conductor with strain relief	No
Conductors	3 x 0,14 mm <sup>2</sup>
mechanical installation conditions	flush
Switch distance	2 mm
Reduction factor 1 met (Y/N)	No
Protection circuit	inductive interference protection, Protection against polarity reversal, short-circuit and overload proof
Pressure resistant (Y/N)	No
Tightening torque for nuts	A/F 13 max. 600 Ncm

## Ambient conditions

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

## Electrical data

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Design of control element	Normally open contact (NO)
Number of wire	3 piece
Voltage type	DC, direct current
Supply voltage U <sub>B</sub>	
- Min. supply voltage	10 V
- Max. supply voltage	30 V
Switch frequency	approx. 3000 Hz
Voltage drop U <sub>d</sub>	approx. 1.2 V (200 mA)
Operating current I <sub>e</sub>	200 mA
No-load current I <sub>o</sub>	approx. 3.4 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	
- Length of sensor	42 mm
- Diameter of sensor	M8

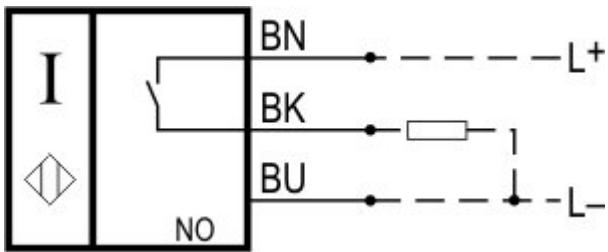
## Indication legend

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May not be charged in this area!

## Diagram

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Note Diagram

- ⊕ positive break NC contact
- ⊖ active
- ⊗ no active
- Normally-open contact
- Normally-closed contact

## Ordering code

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

(1)

- 2 Switch distance 2 mm
- 3 Switch distance 3 mm
- B Quasi-embeddable

(2)

- 8 cylinder, thread M8

(3)

- without Included in standard version Design
- M miniature body

(4)

- 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

(5)

- without Cable
- ST Connector

(6)

- without Included in standard version Plug-in connection
- 2 Alternative Plug-in connection

(7)

- N n-type
- P p-type

## Documents

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**Mounting and wiring instructions** (de, en, fr, it) 79 kB, 05.10.2010

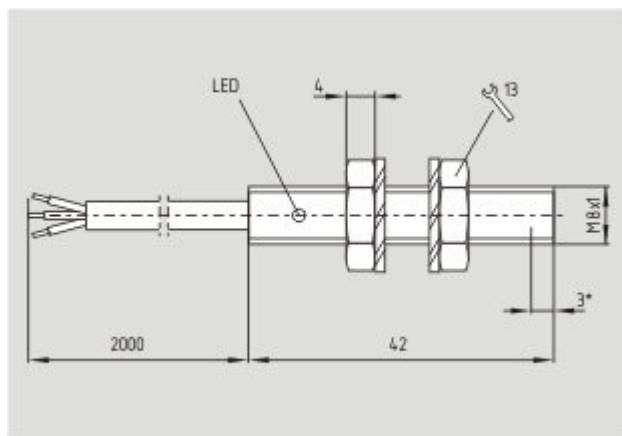
Code: m\_if1p01

**CCC certification** (en) 357 kB, 17.01.2012

Code: q\_iflp02

## 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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