

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

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



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


- Design M 8 x 1
- **NOTICE: Not available! (Replacement: IFL 2-8M-10P)**
- Metal enclosure
- DC 3-wire
- miniature body

### Ordering details

**NOTICE: Not available! (Replacement: IFL 2-8M-10P)**

Product type description	IFL-N-2-8M-10P
Article number	101144806
EAN code	4030661134383

### Global Properties

Product name	IFL - M8
Standards	IEC/EN 60947-5-2; DIN VDE 0660-208
Compliance with the Directives (Y/N) 	Yes
Operating resource protection class	None
Materials	
- Material of the housings	Stainless steel
- Material of the nuts	Stainless steel
- Material of the cable mantle	PUR
- Material of the active surface	Plastic
Housing coating	None
Housing construction form	cylinder, thread
Weight	62 g

### Mechanical data

Design of electrical connection	Cable
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Cable length	2 m
Conductor with strain relief	No
Conductors	3 x 0,25 mm <sup>2</sup>
mechanical installation conditions	flush
Switch distance	2 mm
Reduction factor 1 met (Y/N)	No
Protection circuit	inductive interference protection, suppressed switch-on fault impulse, wire-breakage monitoring, Protection against polarity reversal, short-circuit and overload proof, Voice transmission protection
Pressure resistant (Y/N)	No

## Ambient conditions

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Ambient temperature	
- Min. environmental temperature	-25 °C
- Max. environmental temperature	+85 °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	15 V
- Max. supply voltage	34 V
Switch frequency	approx. 600 Hz
Voltage drop U <sub>d</sub>	approx. 2.5 V
Operating current I <sub>e</sub>	200 mA (bis 50°C), 150 mA (bis 85°C)
No-load current I <sub>0</sub>	≤ 17 mA (24 V), ≤ 30 mA (34 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

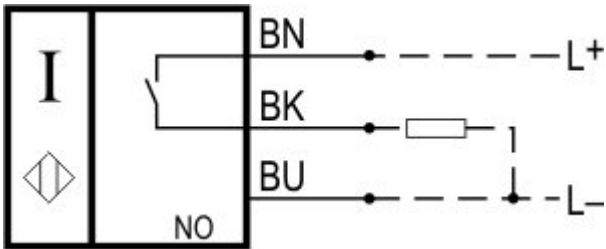
## Dimensions

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

Dimensions of the sensor	
- Length of sensor	35 mm
- Diameter of sensor	M8

## Diagram

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Note Diagram

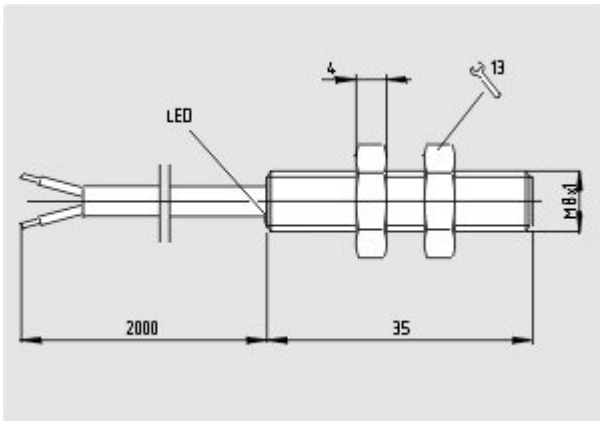
-  positive break NC contact
-  active
-  no active
-  Normally-open contact
-  Normally-closed contact

## Ordering code

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

<p><b>(1)</b> 2 3 B</p>	<p>Switch distance 2 mm Switch distance 3 mm Quasi-embeddable</p>
<p><b>(2)</b> 8</p>	<p>cylinder, thread M8</p>
<p><b>(3)</b> <i>without</i> M</p>	<p>Included in standard version Design miniature body</p>
<p><b>(4)</b> 01 10 10/01 11</p>	<p>Opener (NC) Normally open contact (NO) Normally open contact (NO) / Opener (NC) with Wiring compartment Normally open contact (NO) / Opener (NC) antivalent</p>
<p><b>(5)</b> <i>without</i> ST</p>	<p>Cable Connector</p>
<p><b>(6)</b> <i>without</i> 2</p>	<p>Included in standard version Plug-in connection Alternative Plug-in connection</p>
<p><b>(7)</b> N P</p>	<p>n-type p-type</p>

## 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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