

## Datasheet - IFL 2-8-10STN

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



- Design M 8 x 1
- Metal enclosure
- DC 3-wire
- Connector M12

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

### Ordering details

Product type description	IFL 2-8-10STN
Article number	101099836
EAN Code	4030661085975
eCl@ss	27-27-01-01

### Global Properties

Permanent light	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	Brass
- Material of the nuts	Brass
- Material of the active surface	Plastic
Housing coating	nickel-plated
Housing construction form	cylinder, thread
Weight	25

### Mechanical data

Design of electrical connection	Connector M12
Conductor with strain relief	No

mechanical installation conditions	flush
Switch distance $S_n$	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
- Max. environmental temperature	+70
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
Voltage type	DC, direct current
Supply voltage $U_B$	
- Min. supply voltage	10
- Max. supply voltage	30
Switch frequency	approx. 3000 HZ
Voltage drop $U_d$	approx. 1.2 V (200 mA)
Operating current $I_e$	200 mA
No-load current $I_o$	approx. 3.4 mA (24 V)

## Outputs

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Design of control output	NPN
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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

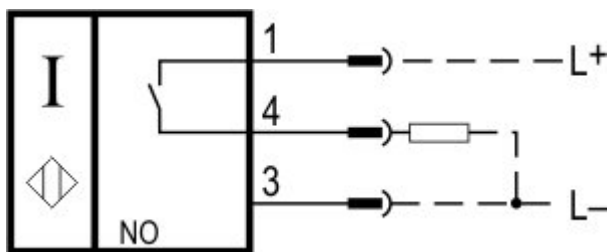
## Dimensions

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

Dimensions of the sensor	
- Length of sensor	70
- 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

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

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

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**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

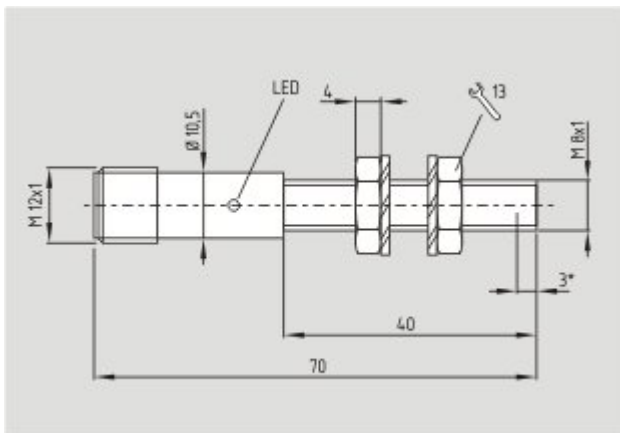
Code: konfi\_ifl\_en

**Declaration of conformity** (de) 96 kB, 01.07.2016

Code: konfi\_ifl\_de

## Images

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Dimensional drawing (basic component)

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

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

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