



## IFL 2-8M-10ST2P

- Metal enclosure
- DC 3-wire
- miniature body
- Connector M8
- Design M 8 x 1

## Data

### Ordering data

Product type description	IFL 2-8M-10ST2P
Article number (order number)	101108025
EAN (European Article Number)	4030661017914
eCl@ss number, version 12.0	27-27-40-01
eCl@ss number, version 11.0	27-27-01-01
eCl@ss number, version 9.0	27-27-01-01
ETIM number, version 7.0	EC002714
ETIM number, version 6.0	EC002714

### General data

Standards	DIN VDE 0660-208 EN IEC 60947-5-2
Housing construction form	Cylinder, thread
Installation conditions (mechanical)	flush
Housing material	Brass
Housing coating material	nickel-plated
Active area	Plastic
Material of the nuts	Brass

Gross weight 23 g

### General data - Features

Integral system diagnostics, status Yes

Number of cable wires 3

### Mechanical data

Tightening torque of nuts, maximum 6 Nm

Note (Tightening torque of nuts) Thread must not be loaded in the head area.

### Mechanical data - Switching distances

Nominal switching distance  $S_n$  2 mm

Note (switching distance) All switching distances in accordance EN IEC 60947-5-2

### Mechanical data - Connection technique

Termination Connector M8

### Mechanical data - Dimensions

ISO thread of the sensor M8

width across flats 13 BK

Length of sensor 54 mm

### Ambient conditions

Degree of protection IP67

Ambient temperature -25 ... +70 °C

Resistance to vibrations 10 ... 55 Hz, amplitude 1 mm

Resistance to shock 30 g / 11 ms

Protection class II

## Electrical data

Operating voltage	10 ... 30 VDC
Type of voltage range	DC
No-load supply current $I_0$ , typical	3.4 mA
Rated operating voltage	10 ... 30 VDC
Operating current	200 mA
Switching element	Normally open contact (NO)
Protection circuit integrated	inductive interference protection Protection against polarity reversal Surge protection Max. fuse rating
Switching frequency, approx.	3,000 Hz

## Electrical data - Digital Output

Voltage drop $U_d$ , maximum	1.2 V
Current at Voltage drop $U_d$	0.2 A
Design of control elements	p-type

## Status indication

Note (Integral System Diagnostics, status )	yellow LED
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## Ordering code

Product type description:  
IFL (1)-(2)(3)-(4)(5)(6)(7)

(1)

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<b>2</b>	Switching distance 2 mm
<b>3</b>	Switching distance 3 mm
<b>B</b>	Quasi-embeddable

(2)

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<b>8</b>	Cylinder, thread M8
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(3)	
<b>without</b>	Standard body
<b>M</b>	Miniature body
(4)	
<b>01</b>	Opener (NC)
<b>10</b>	Normally open contact (NO)
<b>10/01</b>	NO contact / NC contact with wiring compartment
<b>11</b>	1 NO contact / 1 NC contact antivalent
(5)	
<b>without</b>	Cable
<b>ST</b>	Male connector
(6)	
<b>without</b>	Standard connector version
<b>2</b>	Alternative conector version
(7)	
<b>N</b>	n-type
<b>P</b>	p-type

## Pictures

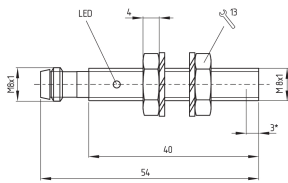
### Product picture (catalogue individual photo)



ID: kifl2f10

| 306.0 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi  
 | 32.1 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi  
 | 22.6 kB | .jpg | 82.197 x 123.472 mm - 233 x 350 px - 72 dpi  
 | 18.6 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi  
 | 2.8 MB | .png | 169.249 x 254 mm - 1999 x 3000 px - 300 dpi

### Dimensional drawing basic component



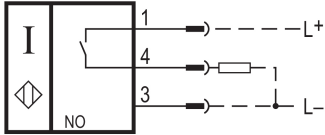
ID: 1ifl2g12

| 22.4 kB | .cdr |

| 6.2 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi

| 74.4 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

## Diagram



ID: id3sk09

| 32.8 kB | .cdr |

| 44.0 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416 px - 72 dpi

| 2.2 kB | .png | 74.083 x 30.692 mm - 210 x 87 px - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

Generated on: 27/02/2026, 14:42