



IFL 2-8-10STP

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

Data

Ordering data

Product type description	IFL 2-8-10STP
Article number (order number)	101099669
EAN (European Article Number)	4030661085852
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	Nickel plated brass

Gross weight	32 g
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General data - Features

Integral system diagnostics, status	Yes
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Number of cable wires	3
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Mechanical data

Tightening torque of nuts, maximum	6 Nm
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Note (Tightening torque of nuts)	Thread must not be loaded in the head area.
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Mechanical data - Switching distances

Nominal switching distance S_n	2 mm
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Note (switching distance)	All switching distances in accordance EN IEC 60947-5-2
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Mechanical data - Connection technique

Length of cable	2 m
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Termination	Connector M12
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Mechanical data - Dimensions

ISO thread of the sensor	M8
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width across flats	13 BK
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Length of sensor	70 mm
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Width of sensor	10.5 mm
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Height of sensor	10.5 mm
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Ambient conditions

Degree of protection	IP67
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Ambient temperature	-25 ... +70 °C
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Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
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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

Ordering code

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

(1)

2 Switching distance 2 mm

3 Switching distance 3 mm

B Quasi-embeddable

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

Pictures

Product picture (catalogue individual photo)



ID: kifl2f11

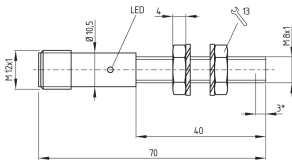
| 209.9 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi

| 34.6 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi

| 15.0 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

| 2.4 MB | .png | 169.249 x 254 mm - 1999 x 3000 px - 300 dpi

Dimensional drawing basic component



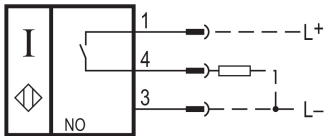
ID: 1ifl2g13

| 23.0 kB | .cdr |

| 5.7 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi

| 76.7 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Diagram



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| 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.

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