



## IFL 4B-12-10STPK1

- Metal enclosure
- DC 3-wire
- Connector M12
- higher switching distance
- Design M12

## Data

### Ordering data

Product type description	IFL 4B-12-10STPK1
Article number (order number)	101106015
EAN (European Article Number)	4030661048482
eCl@ss number, version 9.0	27-27-01-01
eCl@ss number, version 11.0	27-27-01-01
ETIM number, version 7.0	EC002714
ETIM number, version 6.0	EC002714

### Approvals - Standards

Certificates	CCC
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### General data

Standards	EN IEC 60947-5-2 DIN VDE 0660-208
Housing construction form	Cylinder, thread
Installation conditions (mechanical)	Quasi-embeddable
Note (Installation condition)	Steel: $x \geq 2.4$ mm Other metal: $x \geq 1.2$ mm

Enclosure material	Brass
Enclosure coating material	nickel-plated
Active area	Plastic
Material of the nuts	Nickel plated brass
Gross weight	25 g

### General data - Features

Integral system diagnostics, status	Yes
Number of cable wires	3

### Mechanical data

Tightening torque of nuts, maximum	15 Nm
Note (Tightening torque of nuts)	In the shell core area: max. 500 Ncm

### Mechanical data - Switching distances according EN IEC 60947-5-3

Nominal switching distance $S_n$	4 mm
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### Mechanical data - Connection technique

Termination	Connector M12
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### Mechanical data - Dimensions

ISO thread of the sensor	M12
width across flats	17 BK
Length of sensor	61 mm

### Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °C

Protection class	0
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## Electrical data

Voltage type	DC (direct current)
Operating voltage, minimum	5 V
Operating voltage, maximum	40 V
No-load supply current $I_0$ , maximum	0.5 mA
Operating current	200 mA
Switching element	Normally open contact (NO)
Protection circuit integrated	inductive interference protection Protection against polarity reversal Surge protection short-circuit protection (pulsed)
Switching frequency, approx.	600 Hz

## Electrical data - Digital Output

Voltage drop $U_d$ , maximum	1.3 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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## Note

Note (General)	Instead of nuts, a mounting clamp can be provided.
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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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