



IFL4B-12-10

- AC 2-wire
- Design M12
- Metal enclosure
- higher switching distance

Data

Ordering data

	IFL 4B-12-10
	101141562
EAN (European Article Number)	4030661122601
eCl@ss number, Version 9.0	27-27-01-01

Approval - Standards

CCC

General data

	IFL - M 12
	IEC/EN 60947-5-2
	DIN VDE 0660-208
Housing construction form	Cylinder, thread
Installation conditions (mechanical)	Quasi-embeddable
Note (Installation condition)	Steel: $x \geq 2.4 \text{ mm}$ Other metal: $x \geq 1.2 \text{ mm}$
Enclosure material	Brass
Enclosure coating material	nickel-plated
Active area	Plastic
Material of the nuts	Nickel plated brass
Gross weight	100 g

General data - Features

Integral System Diagnostics, status	Yes
Number of cable wires	2

Mechanical data

Switch distance	4 mm
Tightening torque of nuts, maximum	15 Nm
Note (Tightening torque of nuts)	In the shell core area: max. 500 Ncm

Mechanical data - Connection technique

Terminal Connector	Cable H03VV-F
Length of cable	2 m
Wire cross-section	0.5 mm ² PVC

Mechanical data - Dimensions

	M12
width across flats	17 BK
Length of sensor	71 mm

Ambient conditions

Protection class	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °C
Protection rating	0

Ambient conditions - Insulation value

Rated impulse withstand voltage	4 kV
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Electrical data

Voltage type	AC (alternating current)
Rated supply frequency, minimum	45 Hz
Rated supply frequency, maximum	65 Hz
Operating voltage, minimum	15 V
Operating voltage, maximum	250 V
Operating current, minimum	8 mA
Operating current	200 mA
Switching element	Normally open contact (NO)
Protection circuit integrated	inductive interference protection
Switching frequency, approx.	10 Hz

Electrical data - Digital Output

Voltage drop U_d , maximum	3.5 V
Current at Voltage drop U_d	0.2 A

Versions

Two-wire

Status indication

Note (Integral System Diagnostics, status)

yellow LED

Ordering code

Product type description:

IFL (1)-(2)(3)-(4)(5)(6)(7)(8)-(9)

(1)

2 Switching distance 2 mm

4 Switching distance 4 mm

NB, MBN, BN Quasi-embeddable

(2)

12 Cylinder, thread M12, metal

120 Cylinder, thread M12, plastic

(3)

without Standard body

M Miniature body

L Long design

(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

T Conductor with strain relief

(6)

without Standard connector version

2 Alternative connector
version

(7)

N n-type

P p-type

(8)

K Max. fuse rating

1 pulsed

(9)

2033 Stainless steel enclosure

Pictures

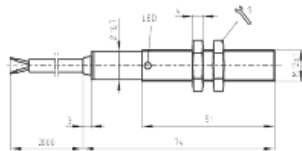
Photo/Product/Catalogue



ID: kifl4f01

| 20,2 kB | .png | 74.083 x 111.125 mm - 210 x 315
Pixel - 72 dpi
| 221,7 kB | .jpg | 352.778 x 529.167 mm - 1000 x
1500 Pixel - 72 dpi

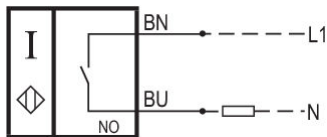
Dimension/Product/Basic



ID: 1ifl4g03

| 3,3 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel
- 72 dpi
| 21,7 kB | .cdr |
| 68,6 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693
Pixel - 72 dpi

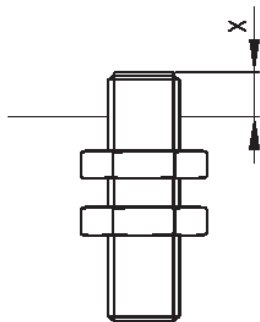
Graphic/Product/Contact



ID: ia2lk01

| 29,6 kB | .cdr |
| 39,3 kB | .jpg | 352.778 x 148.167 mm - 1000 x 420
Pixel - 72 dpi

Illistration/Product/Function



ID: sif-1a01

| 77,2 kB | .jpg | 352.778 x 442.736 mm - 1000 x 1255
Pixel - 72 dpi

| 1,5 kB | .png | 74.083 x 92.781 mm - 210 x 263 Pixel
- 72 dpi

| 44,6 kB | .cdr |

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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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