



IFL4-120L-10P

- DC 3-wire
- Design M12
- Long design
- Double-insulated
- Thermoplastic enclosure

Data

Ordering data

	IFL 4-120L-10P
	101113363
EAN (European Article Number)	4030661086804
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)	not flush
Enclosure material	Plastic
Enclosure coating material	nickel-plated
Active area	Plastic
Material of the nuts	Plastic
Material of the washer	Perbunan [®]
Gross weight	85 g

General data - Features

Integral System Diagnostics, status	Yes
Number of cable wires	3

Mechanical data

Switch distance	4 mm
Tightening torque of nuts, maximum	0.9 Nm
Note (Tightening torque of nuts)	In the shell core area: max. 500 Ncm

Mechanical data - Connection technique

Terminal Connector	Cable
Length of cable	2 m
Wire cross-section	0.3 mm ² PVC

Mechanical data - Dimensions

	M12
width across flats	17 BK
Height of sensor	10.6 mm
Length of sensor	71 mm
Width of sensor	10.6 mm

Ambient conditions

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

Electrical data

Voltage type	DC (direct current)
Operating voltage, minimum	10 V
Operating voltage, maximum	30 V
No-load current	3 mA
Operating current	200 mA
Switching element	Normally open contact (NO)
	inductive interference protection
Protection circuit integrated	Protection against polarity reversal
	Surge protection
	Max. fuse rating
Switching frequency, approx.	700 Hz

Electrical data - Digital Output

Voltage drop U_d , maximum	1.2 V
Current at Voltage drop U_d	0.2 A
Versions	p-type

Status indication

Note (Integral System Diagnostics, status) yellow LED

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

Ordering code

Product type description:

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

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

without Standard body

M Miniature body

L Long design

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

without Cable

ST Male connector

T Conductor with strain relief

(6)

without Standard connector version

2 Alternative conector version

N n-type

P p-type

(8)

K Max. fuse rating

1 pulsed

(9)

2033 Stainless steel enclosure

Pictures

Photo/Product/Catalogue

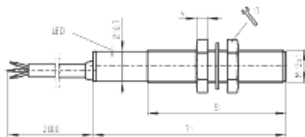


ID: kifl4f23

| 17,8 kB | .png | 74.083 x 111.125 mm - 210 x 315
Pixel - 72 dpi

| 235,4 kB | .jpg | 352.778 x 529.167 mm - 1000 x
1500 Pixel - 72 dpi

Dimension/Product/Basic



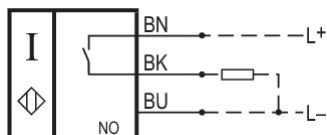
ID: 1ifl4g22

| 69,3 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693
Pixel - 72 dpi

| 3,1 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel
- 72 dpi

| 22,1 kB | .cdr |

Graphic/Product/Contact



ID: id3lk05

| 31,7 kB | .cdr |

| 48,6 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416
Pixel - 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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