



IFL 2-12M-01P

- DC 3-wire
- Design M12
- miniature body
- Metal enclosure

Data

Ordering data

	IFL 2-12M-01P
	101097202
EAN (European Article Number)	4030661086736
eCl@ss number, Version 9.0	27-27-01-01

General data

	IFL - M 12
	IEC/EN 60947-5-2
	DIN VDE 0660-208
Housing construction form	Cylinder, thread
Installation conditions (mechanical)	flush
Enclosure material	Brass
Enclosure coating material	nickel-plated
Active area	Plastic
Material of the nuts	Nickel plated brass
Gross weight	63 g

General data - Features

Integral System Diagnostics, status	Yes
Number of cable wires	3

Mechanical data

Switch distance	2 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
Length of cable	2 m
Wire cross-section	0.1 mm ²
	PVC

Mechanical data - Dimensions

	M12
width across flats	17 BK
Length of sensor	31.5 mm

Ambient conditions

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

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	Opener (NC)
	inductive interference protection
Protection circuit integrated	Protection against polarity reversal
	Surge protection
	Max. fuse rating
Switching frequency, approx.	1,000 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
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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

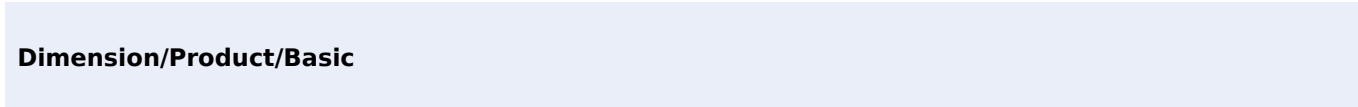
Photo/Product/Catalogue

ID: kifl2f12

| 179,0 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 Pixel - 72 dpi

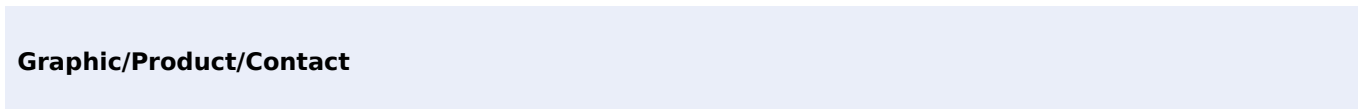
| 15,0 kB | .png | 74.083 x 111.125 mm - 210 x 315 Pixel - 72 dpi

Dimension/Product/Basic



ID: 1ifl2g14

| 23,3 kB | .cdr |
| 3,9 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel
- 72 dpi
| 81,7 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691
Pixel - 72 dpi



ID: id3lk06

| 32,0 kB | .cdr |

| 48,5 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416

Pixel - 72 dpi

