



IFL2-12M-10STP

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

Data

Ordering data

	IFL 2-12M-10STP
	101084532
EAN (European Article Number)	4030661018584
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	30.7 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

Connector M12

Mechanical data - Dimensions

	M12
width across flats	17 BK
Length of sensor	45.6 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	Normally open contact (NO)
	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
---	------------

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

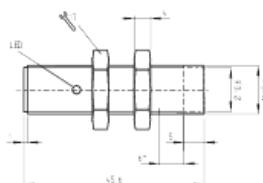


ID: kifl2f13

| 435,4 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 Pixel - 72 dpi

| 46,8 kB | .png | 74.083 x 111.125 mm - 210 x 315 Pixel - 72 dpi

Dimension/Product/Basic



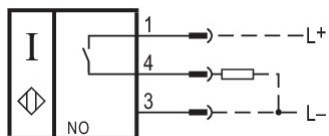
ID: 1ifl2g15

| 16,3 kB | .cdr |

| 3,4 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel - 72 dpi

| 71,8 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 Pixel - 72 dpi

Graphic/Product/Contact



ID: id3sk09

| 44,0 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416 Pixel - 72 dpi

| 32,8 kB | .cdr |

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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.

Generated on 262021-01-31T14:52:26+01:000201Europe/BerlinSun, 31 Jan 2021 14:52:26

+010026pmSunday.31pm31Europe/BerlinCET5201Europe/BerlinJanuary2021Sun, 31 Jan 2021 14:52:26

+010001pm31