DATASHEET

IFL 4-12-10STP

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

Data

Ordering data

Product type description	IFL 4-12-10STP
Article number (order number)	101098921
EAN (European Article Number)	4030661017846
eCl@ss number, version 12.0	27-27-40-01
eCl@ss number, version 11.0	27-27-01-01
eCl@ss number, version 9.0	27-27-01-01
ETIM number, version 7.0	EC002714
ETIM number, version 6.0	EC002714

Approvals - Standards

Certificates	CCC

General data

Standards	DIN VDE 0660-208 EN IEC 60947-5-2
Housing construction form	Cylinder, thread
Installation conditions (mechanical)	not flush

Housing material	Brass
Housing coating material	nickel-plated
Active area	Plastic
Material of the nuts	Nickel plated brass
Gross weight	33 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

Nominal switching distance S_n	4 mm
Note (switching distance)	All switching distances in accordance EN IEC 60947-5-2

Mechanical data - Connection technique

Length of cable	2 m
Termination	Connector M12

Mechanical data - Dimensions

ISO thread of the sensor	M12
width across flats	17 BK
Length of sensor	57 mm

Ambient conditions

Degree of protection	IP67

Ambient temperature	-25 ... +70 °C
Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
Restistance to shock	30 g / 11 ms
Protection class	II

Electrical data

Operating voltage	10 ... 30 VDC
Type of voltage range	DC
No-load supply current I_0, typical	3 mA
Rated operating voltage	10 ... 30 VDC
Operating current	200 mA
Switching element	Normally open contact (NO)
Protection circuit integrated	inductive interference protection Protection against polarity reversal Surge protection Max. fuse rating
Switching frequency, approx.	500 Hz

Electrical data - Digital Output

Voltage drop U_d, maximum	1.2 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

Note

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)

(1)

2	Switching distance 2 mm
4	Switching distance 4 mm
B	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 conector version

(7)

N	n-type
P	p-type

(8)

K	Max. fuse rating
1	pulsed

(9)

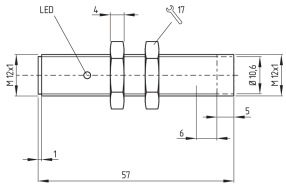
2033	Stainless steel enclosure

Pictures

Product picture (catalogue individual photo)

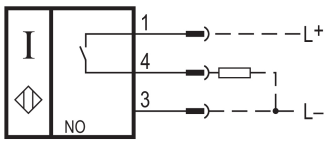
ID: kifl4f12
| 437.3 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi
| 44.7 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi
| 29.4 kB | .jpg | 82.197 x 123.472 mm - 233 x 350 px - 72 dpi
| 27.9 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi
| 4.2 MB | .png | 169.249 x 254 mm - 1999 x 3000 px - 300 dpi

Dimensional drawing basic component



ID: 1ifl4g15
| 22.5 kB | .cdr |
| 3.2 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 69.9 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Diagram



ID: id3sk09
| 32.8 kB | .cdr |
| 44.0 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416 px - 72 dpi
| 2.2 kB | .png | 74.083 x 30.692 mm - 210 x 87 px - 72 dpi