DATASHEET



IFL 2-12L-10STN

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

Data

Ordering data

Product type description	IFL 2-12L-10STN
Article number (order number)	101114553
EAN (European Article Number)	4030661047362
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)	flush

Housing material	Brass
Housing coating material	nickel-plated
Active area	Plastic
Material of the nuts	Nickel plated brass
Gross weight	36 g

General data - Features

Integral system diagnostics, status	Yes
Number of cable wires	3

Mechanical data - Switching distances according EN IEC 60947-5-3

Nominal switching distance S_n	2 mm

Mechanical data - Connection technique

Termination	Connector M12

Mechanical data - Dimensions

ISO thread of the sensor	M12
Length of sensor	71 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-25 ... +70 °C
Protection class	0

Electrical data

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.	800 Hz
Type of voltage range	DC

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	n-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)



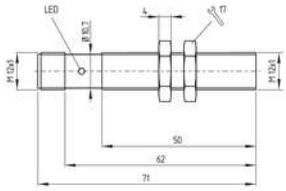
ID: kifl2f21
| 351.0 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi
| 37.3 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi
| 23.7 kB | .jpg | 82.197 x 123.472 mm - 233 x 350 px - 72 dpi

Product picture (catalogue individual photo)



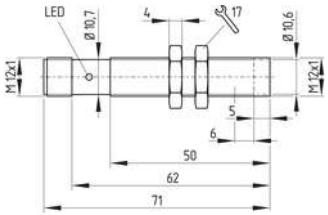
ID: sifl2f21
| 81.4 kB | .jpg | 191.558 x 287.161 mm - 543 x 814 px - 72 dpi
| 28.7 kB | .png | 73.731 x 110.772 mm - 209 x 314 px - 72 dpi
| 17.5 kB | .jpg | 82.197 x 123.472 mm - 233 x 350 px - 72 dpi

Dimensional drawing basic component



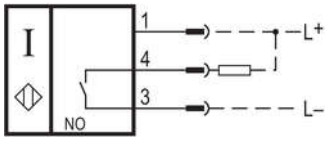
ID: 1ifl2g21
| 21.6 kB | .cdr |
| 3.0 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 67.8 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Dimensional drawing basic component



ID: kifl2g21
| 22.4 kB | .cdr |
| 3.6 kB | .png | 74.083 x 48.331 mm - 210 x 137 px - 72 dpi
| 101.2 kB | .jpg | 352.778 x 230.364 mm - 1000 x 653 px - 72 dpi

Diagram



ID: id3sk11
| 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

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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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