



IFL 2-8M-10P

- Metal enclosure
- DC 3-wire
- miniature body
- Design M 8 x 1

Data

Ordering data

Product type description	IFL 2-8M-10P
Article number (order number)	101107846
EAN (European Article Number)	4030661038544
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

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	Brass

Gross weight	69 g
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General data - Features

Integral system diagnostics, status	Yes
Cable sleeve	No
Number of cable wires	3

Mechanical data

Tightening torque of nuts, maximum	6 Nm
Note (Tightening torque of nuts)	Thread must not be loaded in the head area.

Mechanical data - Switching distances

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

Mechanical data - Connection technique

Length of cable	2 m
Termination	Cable
Number of cable wires	3
Wire cross-section	0.14 mm ²
Material of the Cable mantle	PVC

Mechanical data - Dimensions

ISO thread of the sensor	M8
width across flats	13 BK
Length of sensor	42 mm

Ambient conditions

Degree of protection	IP67
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Ambient temperature	-25 ... +70 °C
Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
Resistance 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	3.4 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.	3,000 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
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Ordering code

Product type description:
IFL (1)-(2)(3)-(4)(5)(6)(7)

(1)

3	Switching distance 3 mm
B	Quasi-embeddable
(2)	
8	Cylinder, thread M8
(3)	
without	Standard body
M	Miniature body
(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
(6)	
without	Standard connector version
2	Alternative connector version
(7)	
N	n-type
P	p-type

Pictures

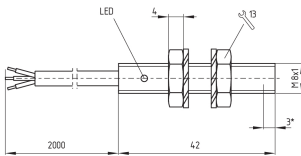
Product picture (catalogue individual photo)



ID: kifl2f24

| 48.3 kB | .jpg | 76.2 x 296.333 mm - 216 x 840 px - 72 dpi
| 76.8 kB | .png | 74.083 x 287.867 mm - 210 x 816 px - 72 dpi
| 9.0 kB | .jpg | 31.75 x 123.472 mm - 90 x 350 px - 72 dpi
| 6.5 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi
| 4.9 MB | .png | 167.105 x 647.533 mm - 2000 x 7750 px - 304 dpi

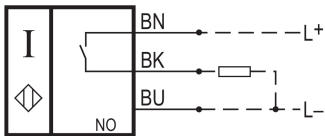
Dimensional drawing basic component



ID: lifl2g11

| 22.2 kB | .cdr |
| 6.3 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 69.1 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Diagram



ID: id3lk05

| 31.7 kB | .cdr |
| 48.6 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416 px - 72 dpi
| 2.3 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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