DATASHEET



IFL 2-6,5M-10P

- Metal enclosure
- DC 3-wire
- Design Ø 6.5 mm

Data

Ordering data

Product type description	IFL 2-6,5M-10P
Article number (order number)	101112854
EAN (European Article Number)	4030661085463
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 smooth
Installation conditions (mechanical)	flush
Housing material	Brass
Housing coating material	nickel-plated
Material of the terminal fixing	Thermoplastic
Gross weight	66 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

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

Mechanical data - Dimensions

Diameter of sensor	6.5 mm
Length of sensor	42 mm
Width of sensor	6.5 mm
Height of sensor	6.5 mm

Ambient conditions

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

Electrical data

No-load supply current I_0, typical	3.4 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
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	p-type

Status indication

Note (Integral System Diagnostics, status)	yellow LED

Scope of delivery

Note (scope of delivery, number and type)	Clamp H 6.5 is included in delivery

Ordering code

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

(1)

2	Switching distance 2 mm
N-2	Switching distance 1.5 mm

(2)

6.5	Cylinder, smooth, Ø 6.5 mm

(3)

without	Standard body

M	Miniature body

(4)

01	Opener (NC)
10	Normally open contact (NO)
11	1 NO contact / 1 NC contact antivalent

(5)

without	Cable
ST	Male connector

(6)

without	Standard connector version
2	Alternative conector version

(7)

N	n-type
P	p-type

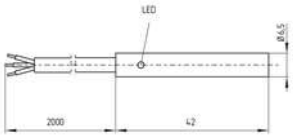
Pictures

Product picture (catalogue individual photo)



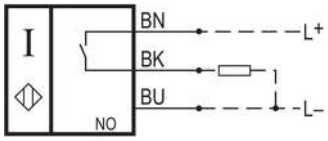
ID: kifl2f07
| 178.9 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi
| 13.3 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi
| 11.6 kB | .jpg | 82.197 x 123.472 mm - 233 x 350 px - 72 dpi

Dimensional drawing basic component



ID: 1ifl2g09
| 17.9 kB | .cdr |
| 2.0 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 42.2 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693 px - 72 dpi

Diagram



ID: id3lk05
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| 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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