DATASHEET



IFL 4-250-10P

- Thermoplastic enclosure
- DC 3-wire
- Double-insulated
- Design 250

Data

Ordering data

Product type description	IFL 4-250-10P
Article number (order number)	101085839
EAN (European Article Number)	4030661048116
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	Block
Installation conditions (mechanical)	not flush

Housing material	Plastic
Gross weight	80 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	4 mm

Mechanical data - Connection technique

Length of cable	2 m
Termination	Cable
Wire cross-section	0.34 mm^2
Material of the Cable mantle	PVC

Mechanical data - Dimensions

Length of sensor	12 mm
Width of sensor	40 mm
Height of sensor	25 mm

Ambient conditions

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

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.	1,000 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

Note

Note (General)	Switches can be mounted adjacent to each other without interference. with 2 screws M3 x 6 for rear mounting maximum screwing depth: 6 mm

Ordering code

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

(1)

2	Switching distance 2 mm
4	Switching distance 4 mm

(2)

250	Square design, 40 x 25 x 12 mm

(3)

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

(4)

without	Cable
D	DC 2-wire

(5)

N	n-type
P	p-type

(6)

1716	cable entries from sides

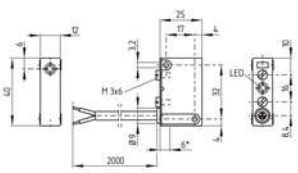
Pictures

Product picture (catalogue individual photo)



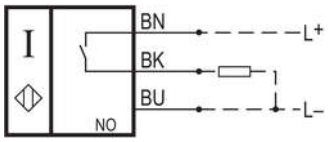
ID: kifl4f29
| 324.0 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi
| 24.5 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi
| 25.4 kB | .jpg | 82.197 x 123.472 mm - 233 x 350 px - 72 dpi

Dimensional drawing basic component



ID: 1ifl2g05
| 30.5 kB | .cdr |
| 8.1 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 95.4 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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