DATASHEET



IFL 10-30-10/01YG

- 1 Cable entry PG9 x 1.5
- Metal enclosure
- AC 2-wire
- Double-insulated
- Wiring compartment
- Design M30

Data

Ordering data

Product type description	IFL 10-30-10/01YG
Article number (order number)	101056832
EAN (European Article Number)	4030661022024
eCl@ss number, Version 9.0	27-27-01-01
eCl@ss number, Version 11.0	27-27-01-01
ETIM number, version 7.0	EC002714
ETIM number, version 6.0	EC002714

Approval - Standards

Certificates	CCC

General data

Standards	IEC/EN 60947-5-2 DIN VDE 0660-208
Housing construction form	Cylinder, thread
Installation conditions (mechanical)	flush
Enclosure material	Brass
Enclosure coating material	nickel-plated

Active area	Plastic
Material of the nuts	Brass
Gross weight	145 g

General data - Features

Integral System Diagnostics, status	Yes
Number of cable wires	2

Mechanical data

Tightening torque of nuts, maximum	30 Nm

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

Switch distance	10 mm

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, maximum	1 x 1.5 mm²

Mechanical data - Dimensions

ISO thread of the sensor	M30
width across flats	36 BK
Length of sensor	126 mm

Ambient conditions

Degree of protection	IP65 to EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °C
Protection rating	II

Ambient conditions - Insulation value

Rated impulse withstand voltage U_{imp}	4 kV

Electrical data

Voltage type	AC (alternating current)
Rated supply frequency, minimum	45 Hz
Rated supply frequency, maximum	65 Hz
Operating voltage, minimum	15 V
Operating voltage, maximum	250 V
Operating current, minimum	10 mA
Operating current	500 mA
Switching element	NO contact or NC contact
Protection circuit integrated	inductive interference protection
Switching frequency, approx.	10 Hz

Electrical data - Digital Output

Voltage drop U_d, maximum	4.5 V
Current at Voltage drop U_d	0.2 A
Versions	Two-wire
Current leakage, maximum I_r	1 mA

Status indication

Note (Integral System Diagnostics, status)	yellow LED

Notes

Note (General)	Instead of nuts, a mounting clamp can be provided. Programmable by repositioning the plug-in jumper at the terminal screws

Ordering code

Product type description:
IFL (1)-(2)(3)-(4)(5)(6)(7)-(8)

(1)

10	Switching distance 10 mm
15	Switching distance 15 mm

(2)

30	Cylinder, thread M30, metal
300	Cylinder, thread M30, 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
D	DC 2-wire

(6)

without	Standard connector version
2	Alternative conector version

(7)

N	n-type
P	p-type

(8)

1310	Can be used up to +110 C (for alternating current (AC) only)

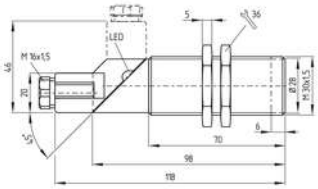
Pictures

Product picture (catalogue individual photo)



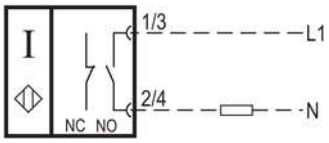
ID: kifl1f48
| 647.7 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi
| 61.5 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi

Dimensional drawing basic component



ID: 1ifl1g10
| 26.7 kB | .cdr |
| 7.9 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 105.8 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Diagram



ID: ia2ak06
| 30.9 kB | .cdr |
| 45.9 kB | .jpg | 352.778 x 148.167 mm - 1000 x 420 px - 72 dpi

Operating principle



ID: sifldd01
| 53.6 kB | .ai | 297 x 210.002 mm - 841 x 595 px - 72 dpi
| 50.1 kB | .jpg | 352.778 x 149.578 mm - 1000 x 424 px - 72 dpi
| 1.4 kB | .png | 74.083 x 31.397 mm - 210 x 89 px - 72 dpi