DATASHEET



IFL 5-18L-10/01P

- 1 Cable entry PG9 x 1.5
- Metal enclosure
- DC 3-wire
- Wiring compartment
- Long design
- Design M 18 x 1

Data

Ordering data

Product type description	IFL 5-18L-10/01P
Article number (order number)	101139949
EAN (European Article Number)	4030661117195
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	Brass
Gross weight	75 g

General data - Features

Integral system diagnostics, status	Yes
Number of cable wires	3

Mechanical data

Tightening torque of nuts, maximum	18 Nm

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

Nominal switching distance S_n	5 mm

Mechanical data - Connection technique

Termination	Screw connection
Cable section, maximum	1 x 1.5 mm²

Mechanical data - Dimensions

ISO thread of the sensor	M18
width across flats	24 BK
Length of sensor	126 mm

Ambient conditions

Degree of protection	IP65
Ambient temperature	-25 ... +70 °C
Protection class	0

Electrical data

No-load supply current I_0, typical	5.5 mA
Rated operating voltage	10 ... 60 VDC
Operating current	400 mA
Switching element	NO contact or NC contact
Protection circuit integrated	inductive interference protection Protection against polarity reversal
Switching frequency, approx.	500 Hz
Type of voltage range	DC

Electrical data - Digital Output

Voltage drop U_d, maximum	1.5 V
Current at Voltage drop U_d	0.4 A
Design of control elements	p-type

Status indication

Note (Integral System Diagnostics, status)	yellow LED

Note

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)

55	Switching distance 5 mm
8	Switching distance 8 mm

10	Switching distance 10 mm

(2)

18	Cylinder, thread M18, metal
180	Cylinder, thread M18, 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
A	Alternating current/direct current AC/DC
D	DC 2-wire

(6)

without	Standard connector version
2	Alternative conector version

(7)

N	n-type
P	p-type

(8)

2033	Stainless steel enclosure

2130	Can be used up to +130 C, without LED switching conditions display

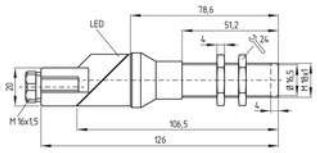
Pictures

Product picture (catalogue individual photo)



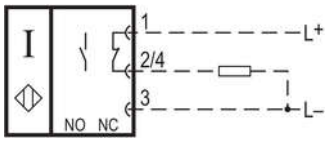
ID: kifl5f23
| 517.8 kB | .jpg | 352.778 x 529.167 mm - 1000 x 1500 px - 72 dpi
| 46.9 kB | .png | 74.083 x 111.125 mm - 210 x 315 px - 72 dpi
| 35.5 kB | .jpg | 82.197 x 123.472 mm - 233 x 350 px - 72 dpi

Dimensional drawing basic component



ID: 1ifl5g04
| 24.4 kB | .cdr |
| 6.4 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 86.3 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Diagram



ID: id3ak17
| 25.7 kB | .cdr |
| 50.3 kB | .jpg | 352.778 x 146.756 mm - 1000 x 416 px - 72 dpi
| 2.5 kB | .png | 74.083 x 30.692 mm - 210 x 87 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