



IFL 5-18-10P

- Metal enclosure
- DC 3-wire
- Design M 18 x 1

Data

Ordering data

Product type description	IFL 5-18-10P
Article number (order number)	101169211
EAN (European Article Number)	4030661295220
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
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General data

Standards	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	85 g

General data - Features

Integral system diagnostics, status	Yes
Number of cable wires	3

Mechanical data

Tightening torque of nuts, maximum	18 Nm
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Mechanical data - Switching distances

Nominal switching distance S_n	5 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	M18
width across flats	24 BK
Length of sensor	53 mm

Ambient conditions

Degree of protection	IP67
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	3.5 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.	400 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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Note

Note (General)	Instead of nuts, a mounting clamp can be provided.
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Ordering code

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

(1)	
5	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)	
1	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)	
1	Cable
ST	Male connector
T	Conductor with strain relief
A	Alternating current/direct current AC/DC
D	DC 2-wire
(6)	
1	Standard connector version
2	Alternative connector version
(7)	

