



IFL 2-12-10STP

- Metal enclosure
- DC 3-wire
- Connector M12
- Design M12

Data

Ordering data

Product type description	IFL 2-12-10STP
Article number (order number)	101099562
EAN (European Article Number)	4030661008912
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	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	Nickel plated brass
Gross weight	33 g

General data - Features

Integral system diagnostics, status	Yes
Cable sleeve	No
Number of cable wires	3

Mechanical data

Tightening torque of nuts, maximum	15 Nm
Note (Tightening torque of nuts)	In the shell core area: max. 500 Ncm

Mechanical data - Switching distances

Nominal switching distance S_n	2 mm
Note (switching distance)	All switching distances in accordance EN IEC 60947-5-2

Mechanical data - Connection technique

Length of cable	2 m
Termination	Connector M12

Mechanical data - Dimensions

ISO thread of the sensor	M12
width across flats	17 BK
Length of sensor	61 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 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

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)-(9)

(1)		
2		Switching distance 2 mm
4		Switching distance 4 mm
B		Quasi-embeddable
(2)		
12		Cylinder, thread M12, metal
120		Cylinder, thread M12, 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
(6)		
without		Standard connector version
2		Alternative connector version
(7)		
N		n-type
P		p-type

