



IFL 4-12M-10STP

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

Data

Ordering data

Product type description	IFL 4-12M-10STP
Article number (order number)	101086912
EAN (European Article Number)	4030661018089
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

General data

Standards	DIN VDE 0660-208 EN IEC 60947-5-2
Housing construction form	Cylinder, thread
Installation conditions (mechanical)	not flush
Housing material	Brass
Housing coating material	nickel-plated
Active area	Plastic
Material of the nuts	Nickel plated brass

Gross weight 30 g

General data - Features

Integral system diagnostics, status Yes

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 4 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 45.6 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.	500 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)	An H12 clamp can also be supplied instead of the nuts.
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Ordering code

Product type description:
IFL (1)-(2)(3)-(4)(5)(6)(7)(8)-(9)

(1)

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
(8)	
K	Max. fuse rating
1	pulsed

