



IFL 4B-12-10

- Metal enclosure
- AC 2-wire
- higher switching distance
- Design M12

Data

Ordering data

Product type description	IFL 4B-12-10
Article number (order number)	101141562
EAN (European Article Number)	4030661122601
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

Approvals - Standards

Certificates	CCC
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General data

Standards	EN IEC 60947-5-2 DIN VDE 0660-208
Housing construction form	Cylinder, thread
Installation conditions (mechanical)	Quasi-embeddable
Note (Installation condition)	Steel: $x \geq 2.4$ mm Other metal: $x \geq 1.2$ mm

Enclosure material	Brass
Enclosure coating material	nickel-plated
Active area	Plastic
Material of the nuts	Nickel plated brass
Gross weight	100 g

General data - Features

Integral system diagnostics, status	Yes
Number of cable wires	2

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 according EN IEC 60947-5-3

Nominal switching distance S_n	4 mm
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Mechanical data - Connection technique

Termination	Cable H03VV-F
Length of cable	2 m
Wire cross-section	0.5 mm ²
Material of the Cable mantle	PVC

Mechanical data - Dimensions

ISO thread of the sensor	M12
width across flats	17 BK
Length of sensor	71 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °C
Protection class	0

Ambient conditions - Insulation values

Rated impulse withstand voltage U_{imp}	4 kV
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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	8 mA
Operating current	200 mA
Switching element	Normally open contact (NO)
Protection circuit integrated	inductive interference protection
Switching frequency, approx.	10 Hz

Electrical data - Digital Output

Voltage drop U_d , maximum	3.5 V
Current at Voltage drop U_d	0.2 A
Design of control elements	Two-wire

Status indication

Note (Integral System Diagnostics, status)	yellow LED
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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

Generated on: 26/08/2022, 11:30