



IFL 10-180-10

- Thermoplastic enclosure
- AC 2-wire
- Double-insulated
- Design M 18 x 1

Data

Ordering data

Product type description	IFL 10-180-10
Article number (order number)	101092423
EAN (European Article Number)	4030661024141
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)	not flush
Enclosure material	Plastic

Active area	Plastic
Material of the nuts	Plastic
Material of the washer	Perbunan®
Gross weight	95 g

General data - Features

Integral system diagnostics, status	Yes
Number of cable wires	2

Mechanical data

Tightening torque of nuts, maximum	3 Nm
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Mechanical data - Switching distances according EN IEC 60947-5-3

Nominal switching distance S_n	10 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	M18
width across flats	24 BK
Length of sensor	79 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-25 °C

Ambient temperature, maximum +70 °C

Protection class II

Ambient conditions - Insulation values

Rated impulse withstand voltage U_{imp} 4 kV

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	10 mA
Operating current	500 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	4.5 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

Note

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

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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.

