



IFL 8-180L-10P

- Thermoplastic enclosure
- DC 3-wire
- Long design
- Double-insulated
- Design M 18 x 1

Data

Ordering data

Product type description	IFL 8-180L-10P
Article number (order number)	101124142
EAN (European Article Number)	4030661050522
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	3

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	8 mm
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Mechanical data - Connection technique

Termination	Cable
Length of cable	2 m
Wire cross-section	0.34 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
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Protection class	II
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Electrical data

Voltage type	DC (direct current)
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Operating voltage, minimum	10 V
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Operating voltage, maximum	30 V
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No-load supply current I_0 , maximum	3.4 mA
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Operating current	200 mA
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Switching element	Normally open contact (NO)
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Protection circuit integrated	inductive interference protection Protection against polarity reversal Surge protection Max. fuse rating
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Switching frequency, approx.	400 Hz
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Electrical data - Digital Output

Voltage drop U_d , maximum	1.2 V
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Current at Voltage drop U_d	0.2 A
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Design of control elements	p-type
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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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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.

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