



IFL 8-180M-10STP

- Thermoplastic enclosure
- DC 3-wire
- Connector M18
- miniature body
- Design M 18 x 1

Data

Ordering data

Product type description	IFL 8-180M-10STP
Article number (order number)	101085339
EAN (European Article Number)	4030661018270
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

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	35 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	Connector M18
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Mechanical data - Dimensions

ISO thread of the sensor	M18
width across flats	24 BK
Length of sensor	50.6 mm

Ambient conditions

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

Electrical data

Voltage type	DC (direct current)
Operating voltage, minimum	10 V

Operating voltage, maximum	30 V
No-load supply current I_0 , maximum	3 mA
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.	400 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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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, 11:33