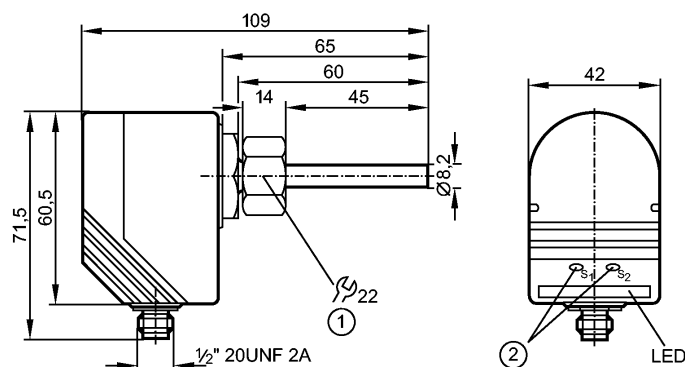


SI1106

SID10ADTFKOW/LS-100-IRF

Flow sensors



1: internal thread M18 x 1.5

2: setting pushbuttons

Made in Germany



Product characteristics

Flow monitor

Compact type for adapter

Process connection: internal thread M18 x 1.5 for adapter (titanium)

Probe length: 45 mm

1 relay output

Setting range: 3...300 cm/s (liquids)

Application

Application liquids and gases, aggressive media

Medium temperature [°C] -25...80

Electrical data

Electrical design AC / relay

Operating voltage [V] 85...265 AC

Nominal voltage [V] 90...240 AC (45...65 Hz)

Voltage tolerance [%] -5 / +10

Power consumption [VA] < 3.5

Protection class II

Reverse polarity protection no

Outputs

Output function normally open / closed programmable

Contact rating 3 A (250 V AC / 30 V DC) ¹⁾

Short-circuit proof no

Overload protection no

Measuring / setting range

Liquids

Setting range [cm/s] 3...300

Greatest sensitivity [cm/s] 3...60

Gases

Setting range [cm/s] 200...3000

Greatest sensitivity [cm/s] 200...800

Accuracy / deviations

SI1106

SID10ADTFKOW/LS-100-IRF

Flow sensors

Max. temperature gradient of medium	[K/min]	300
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Reaction times

Power-on delay time	[s]	15 **)
Response time	[s]	1...10

Software / programming

Adjustment of the switch point	pushbuttons
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Environment

Pressure rating	[bar]	300
Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

Shock resistance	DIN IEC 68-2-27:	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6:	20 g (55...2000 Hz)
MTTF	[Years]	224

Mechanical data

Process connection	internal thread M18 x 1.5 for adapter (titanium)
Materials (wetted parts)	titanium (3.7035); O-ring: FFPM (Kalrez) 8 x 1.5
Housing materials	PBT-GF 20
Probe length L	[mm]45
Weight	[kg]0.256

Displays / operating elements

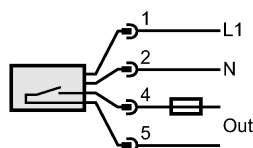
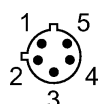
Function display	LED	10 LEDs, three-colour
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Electrical connection

Connection	1/2" UNF-Connector
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Wiring

N.B: no protective insulation between relay circuit and supply voltage



Note: miniature fuse to IEC60127-2 sheet 1, ≤ 5 A (fast acting)

Remarks

Remarks	n.c. = not connected ¹⁾ number of switching cycles: 20 million mechanically switching cycles with 3 A load: 100.000 electrically relay type: contact closed at work ^{**)} optically indicated Recommendation: check the unit for reliable function after a short circuit.
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Pack quantity	[piece]	1
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