

- 1: internal thread M18 x 1.5  
2: setting pushbuttons



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

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liquids and gases, aggressive media

Pressure rating [bar]

300

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) <sup>1)</sup>

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

Max. temperature gradient of medium [K/min]

300

Reaction times

Power-on delay time [s]

15 \*\*)

Response time [s]

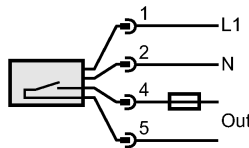
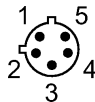
1...10

# SI1106 - Flow monitor - eclass: 27273101 / 27-27-31-01

Software / programming	
Adjustment of the switch point	pushbuttons
Environment	
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]	0.254
Displays / operating elements	
Function display LED	10 LEDs, three-colour
Electrical connection	
Connection	1/2" UNF-Connector

## 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.

Pack quantity [piece]

1