

1: LED display  
2: setting pushbutton



Product characteristics  
Flow monitor

Compact type for adapter

Process connection: internal thread M18 x 1.5 for adapter

Probe length: 45 mm

SI5006

with adapter 1/2-14NPT

(E40107)

and connector

(W70207)

1 relay output

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

Application

Application

liquids and gases

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

# SI8504 - Flow monitor - eclass: 27273101 / 27-27-31-01

## Measuring / setting range

### Liquids

Setting range	[cm/s]	3...300
Greatest sensitivity	[cm/s]	3...100

### Gases

Setting range	[cm/s]	200...3000
Greatest sensitivity	[cm/s]	200...800

### Accuracy / deviations

Switch point accuracy	[cm/s]	$\pm 2... \pm 10$ *)
Hysteresis	[cm/s]	2...5 *)
Repeatability	[cm/s]	1...5 *)

### Max. temperature gradient of medium

[K/min]	300
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### Reaction times

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

### Software / programming

Adjustment of the switch point	pushbuttons
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### Environment

Ambient temperature	[°C]	-25...80
Storage temperature	[°C]	-25...100

### Protection

	IP 67
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### Tests / approvals

EMC	DIN EN 60947-5-9	
Shock resistance	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	20 g (55...2000 Hz)

### Mechanical data

Process connection	internal thread M18 x 1.5 for adapter	
Materials (wetted parts)	stainless steel 316L / 1.4404; O-ring: FKM 8 x 1.5 gr 80° Shore A	
Housing materials	stainless steel (304S15); PC; PBT-GF 20; EPDM/X	
Probe length L	[mm]	45

### Displays / operating elements

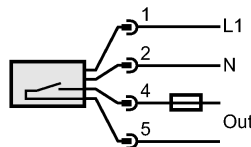
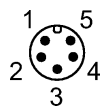
Function display	LED	10 LEDs, three-colour
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### Electrical connection

Connection	7/8" 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,  $\leq 5$  A (fast acting)

### Remarks

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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  
 \*) for water; 5...100 cm/s; 25°C (factory setting)  
 \*\*) for water; 5...100 cm/s; 10...70°C  
 Recommendation: check the unit for reliable function after a short circuit.

### Pack quantity [piece]

1