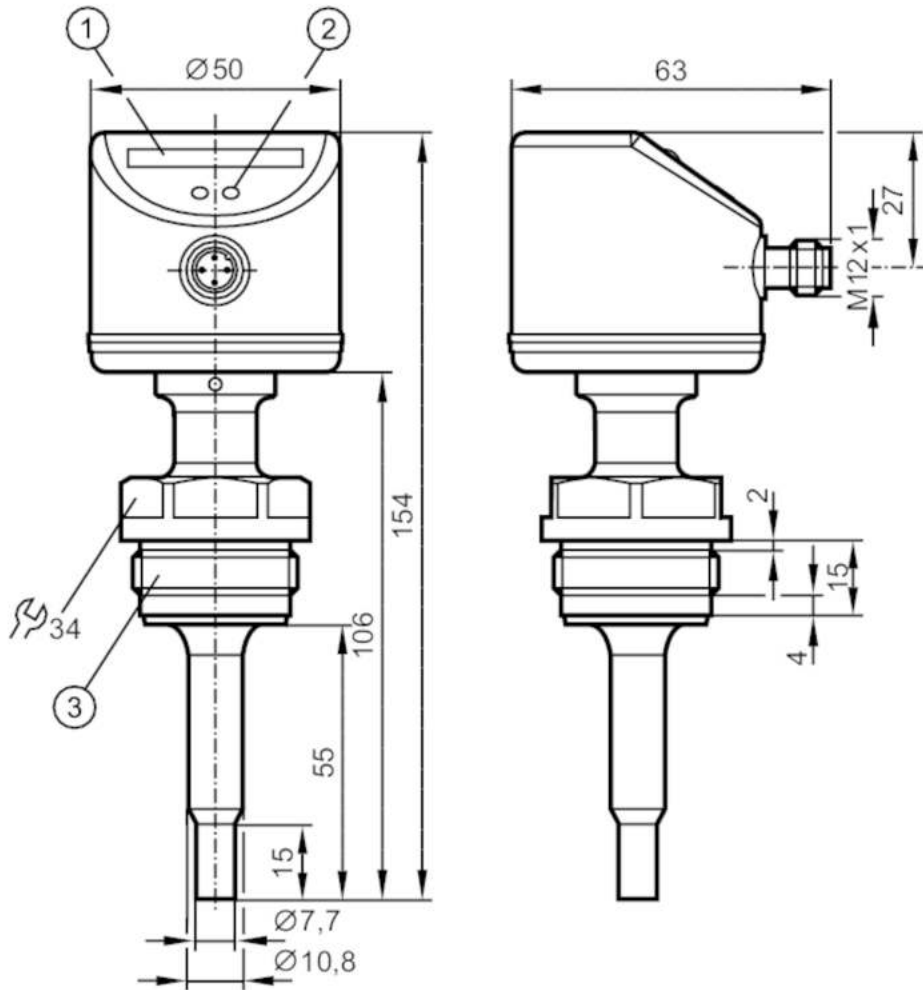


# SI6800



## Flow monitor

SIR11ABBFPKG/US-100-IPF



- 1 LED bar display
- 2 setting pushbutton
- 3 thread G1 Aseptoflex Vario



EC 1935/2004 EHEDG Certified FCM FDA

### Application

Application		hygienic systems
Medium temperature	[°C]	-25...95; (for SIP process: ...140 °C)
Pressure rating	[bar]	30
MAWP (for applications according to CRN)	[bar]	30
<b>Liquids</b>		
Application		hygienic systems
Medium temperature	[°C]	-25...95; (for SIP process: ...140 °C)
<b>Gases</b>		
Medium temperature	[°C]	-25...95; (for SIP process: ...140 °C)

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Electrical data		
Operating voltage	[V]	19...36 DC
Current consumption	[mA]	< 60
Protection class		III
Reverse polarity protection		yes
Power-on delay time	[s]	10
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 1
Outputs		
Total number of outputs		1
Output signal		switching signal
Electrical design		PNP
Number of digital outputs		1
Output function		normally open / normally closed; (parameterisable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Measuring/setting range		
Probe length L	[mm]	55
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		
Repeatability	[% of Sr]	1...5
Note on repeatability		for water 5...100 cm/s; 25 °C Factory setting
Temperature drift	[cm/s x 1/K]	0.1; (for water 5...100 cm/s; 10...70 °C)
Temperature gradient	[K/min]	300
Switch point accuracy	[cm/s]	± 2...± 10; (for water 5...100 cm/s; 25 °C; Factory setting)
Hysteresis	[cm/s]	2...5; (for water 5...100 cm/s; 25 °C; Factory setting)
Response times		
Response time	[s]	1...10
Liquids		
Response time	[s]	1...10
Gases		
Response time	[s]	1...10

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### Software / programming

Adjustment of the switch point	pushbutton
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### Operating conditions

Ambient temperature [°C]	-25...60
Protection	IP 67; IP 69K

### Tests / approvals

EMC	DIN EN 61000-6-2	
	DIN EN 61000-6-3	
Shock resistance	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	10 g (55...2000 Hz)
MTTF [years]		298

### Mechanical data

Weight [g]	440
Materials	stainless steel (1.4404 / 316L); PC; PBT-GF20; EPDM/X; Sealing: FKM
Materials (wetted parts)	stainless steel (1.4435 / 316L); surface characteristics: Ra < 0,4 / Rz 4
Process connection	G 1 Aseptoflex Vario

### Displays / operating elements

Display	function	10 x LED, three-colour
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### Remarks

Pack quantity	1 pcs.
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### Electrical connection

Connector: 1 x M12; Contacts: gold-plated



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### Connection

