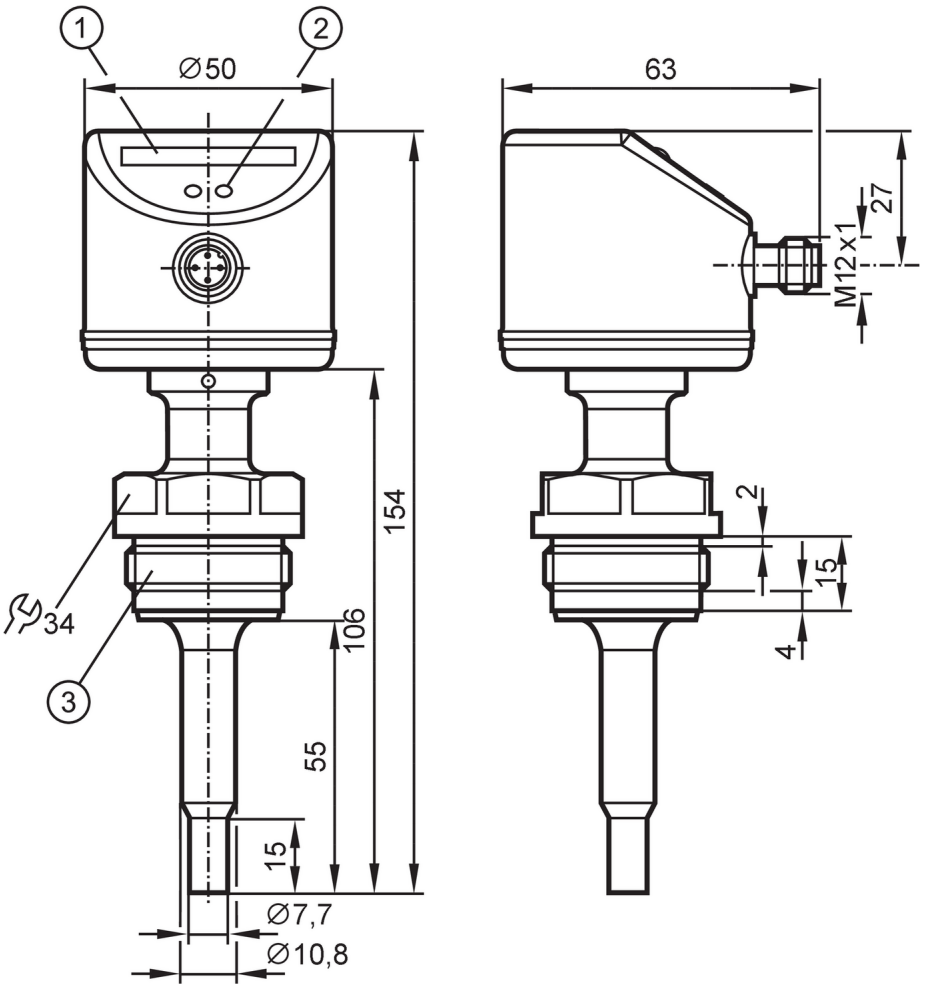
SI6800

Flow monitor

SIR11ABBFPKG/US-100-IPF



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

Product characteristics			
Number of inputs and outputs		Number of digital outputs: 1	
Process connection		threaded connection G 1 external thread Aseptoflex Vario	
Application			
Special feature		Gold-plated contacts	
Application		hygienic systems	
Medium temperature	[°C]	-25...95; (for SIP process: ...140 °C)	
Pressure rating		30 bar	3 MPa
MAWP for applications according to CRN	[bar]	30	
Electrical data			
Operating voltage	[V]	19...36 DC	
Current consumption	[mA]	< 60	
Min. insulation resistance	[MΩ]	100; (500 V DC)	
Protection class		III	
Reverse polarity protection		yes	

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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 [cm/s]		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
Software / programming		
Adjustment of the switch point		pushbutton
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)

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Vibration resistance		DIN EN 60068-2-6	10 g (55...2000 Hz)
MTTF	[years]	298	

Mechanical data

Weight	[g]	440
Housing		cylindrical
Dimensions	[mm]	Ø 50 / L = 154
Materials		stainless steel (316L/1.4404); PC; PBT-GF20; EPDM/X; Sealing: FKM
Materials (wetted parts)		stainless steel (316L/1.4435) surface characteristics: Ra < 0,4 µm / Rz = 4 µm
Process connection		threaded connection G 1 external thread Aseptoflex Vario
Probe diameter	[mm]	7.7
Installation length EL	[mm]	55

Displays / operating elements

Display	function	10 x LED, three-colour

Remarks

Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4, gold-plated



Connection

