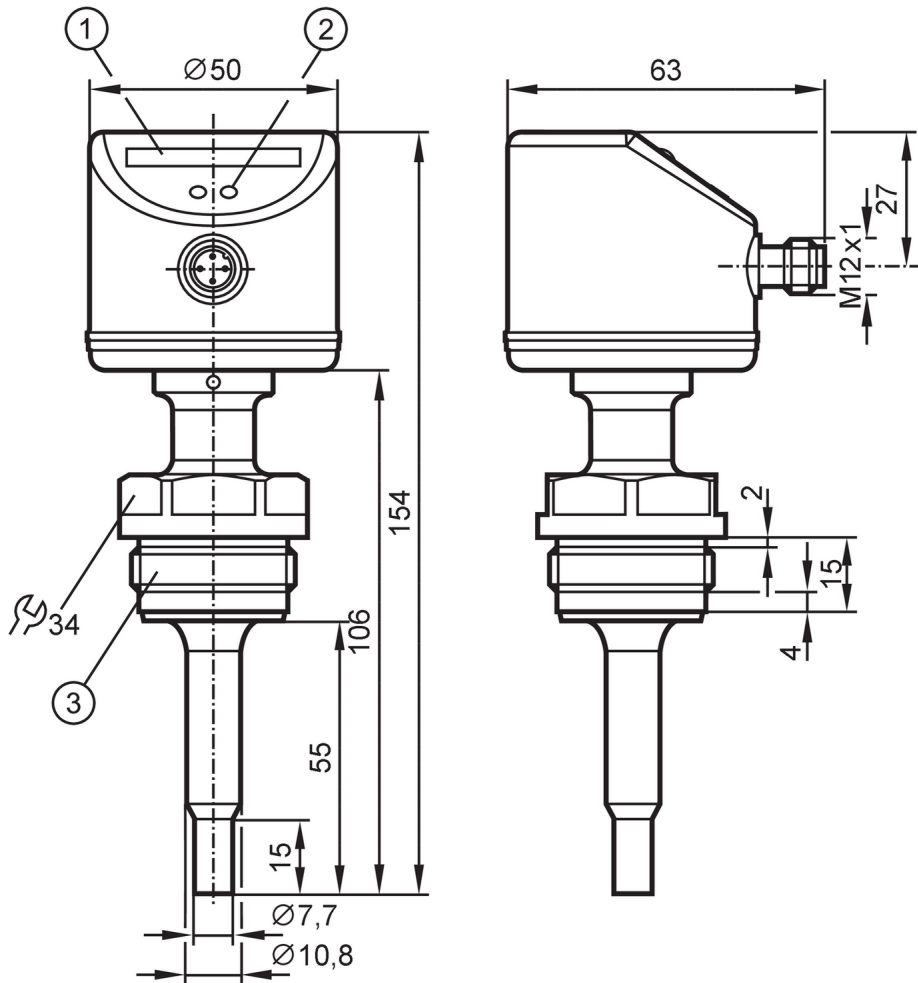


SI6800



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
Protection class	III
Reverse polarity protection	yes
Power-on delay time [s]	10

SI6800



Flow monitor

SIR11ABBFPG/US-100-IPF

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)
Vibration resistance	DIN EN 60068-2-6	10 g (55...2000 Hz)

SI6800



Flow monitor

SIR11ABBFPKG/US-100-IPF

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

