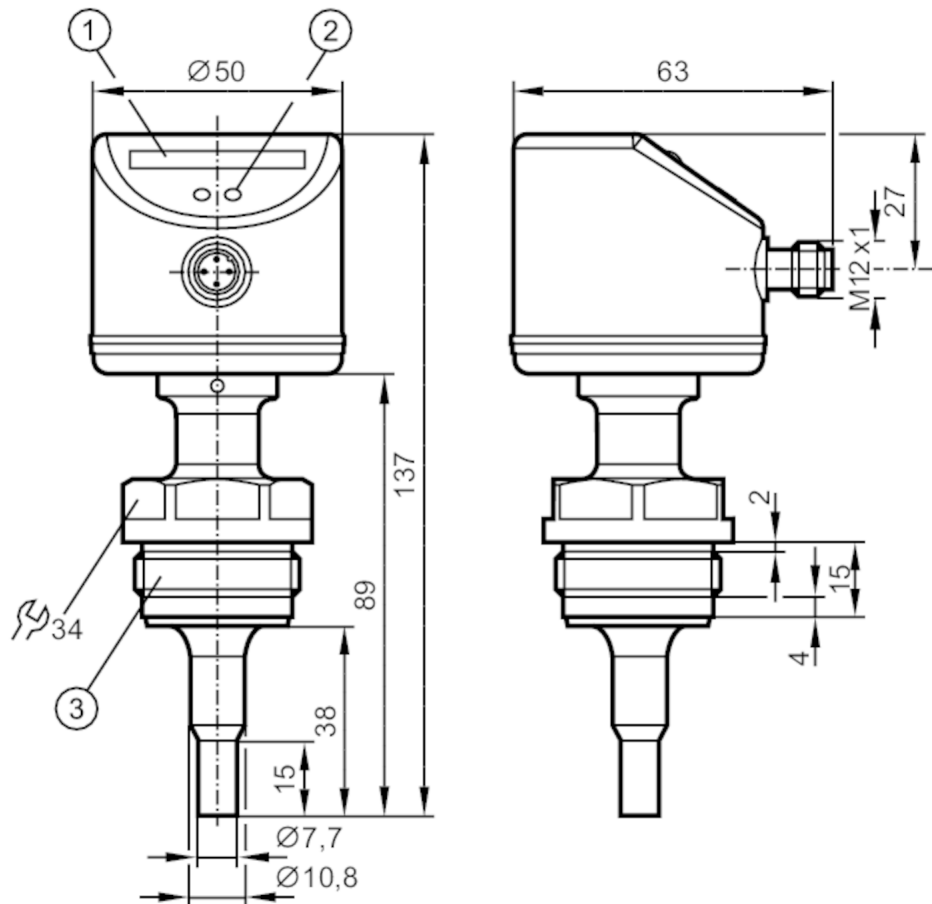


SI6700



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	30 bar	3 MPa

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



Flow monitor

SIR11ABBFPKG/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] 38
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	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HE conducted	10 V

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SIR11ABBFPKG/US-100-IPF

Shock resistance	DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	10 g (55...2000 Hz)
MTTF [years]		298

Mechanical data		
Weight [g]		433.5
Housing		cylindrical
Dimensions [mm]		Ø 50 / L = 137
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]		38

Displays / operating elements		
Display	function	10 x LED, three-colour

Remarks		
Pack quantity		1 pcs.

Electrical connection

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



Connection

