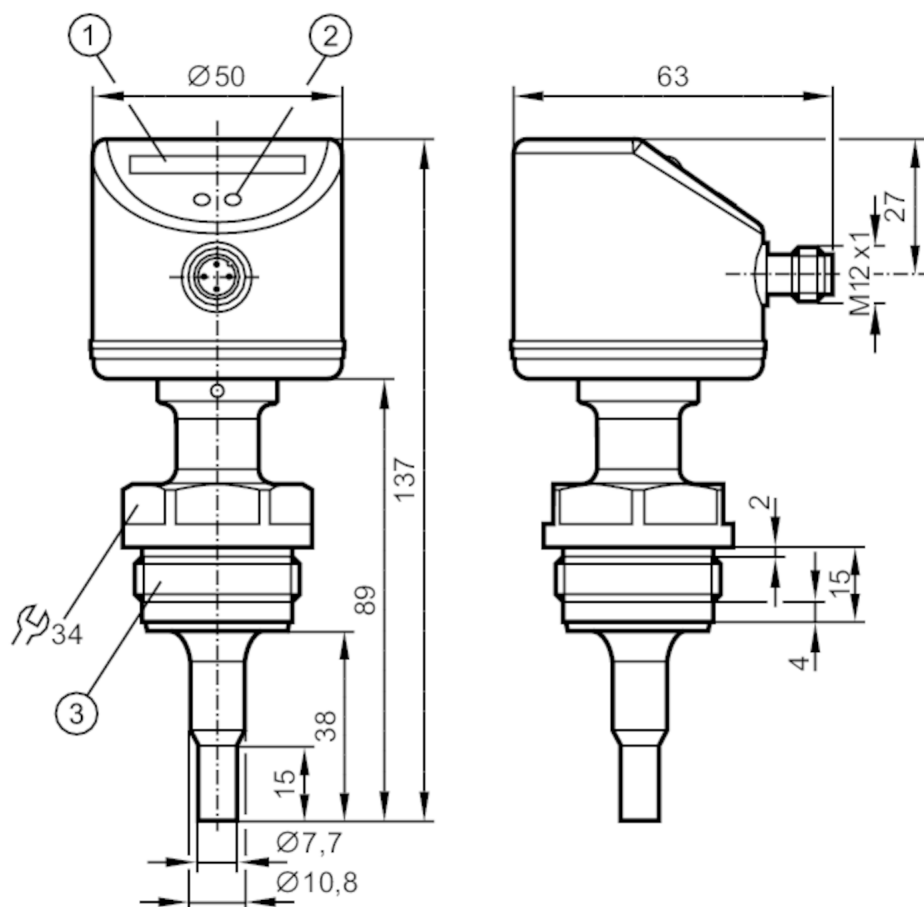


SI6700

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 UK CA

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

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

SI6700



Flow monitor

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 / Rz 4
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

