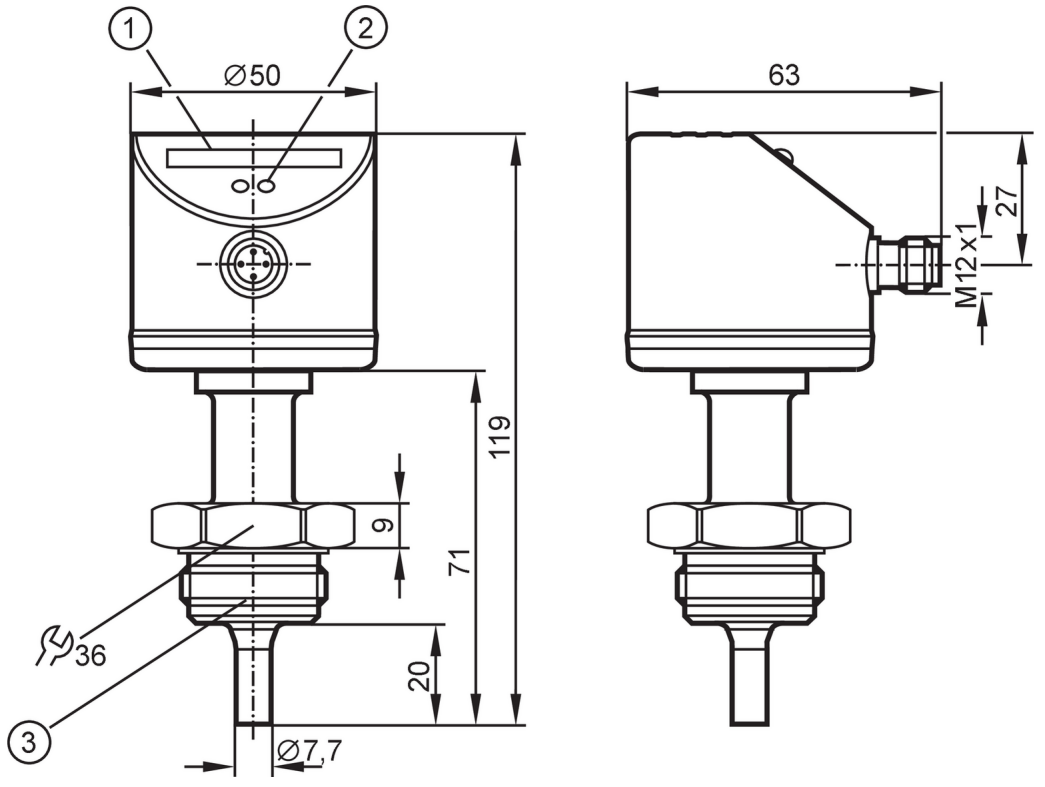
SI6100

Flow monitor

SIS30ABBFPKG/US-100-IPF

Please do not use for new projects.
no more adapters available as accessories



1 LED bar display
2 setting pushbutton
3 Aseptoflex thread

EC 1935/2004 FCM CN FCM JP Hygienic Cleanable

Product characteristics			
Number of inputs and outputs		Number of digital outputs: 1	
Process connection		threaded connection Aseptoflex external thread Aseptoflex	
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	
Inputs / outputs			
Number of inputs and outputs		Number of digital outputs: 1	

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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]	20	
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]	150	
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 HF conducted	10 V
Shock resistance		DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance		DIN EN 60068-2-6	10 g (55...2000 Hz)

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MTTF	[years]	298
Mechanical data		
Weight	[g]	395.5
Housing		cylindrical
Dimensions	[mm]	Ø 50 / L = 119
Materials		stainless steel (316L/1.4404); PC; PBT-GF20; EPDM/X; O-ring: FKM
Materials (wetted parts)		stainless steel (316L/1.4435) surface characteristics: Ra < 0,4 µm / Rz = 4 µm
Process connection		threaded connection Aseptoflex external thread Aseptoflex
Probe diameter	[mm]	7.7
Installation length EL	[mm]	20
Displays / operating elements		
Display	function	10 x LED, three-colour
Remarks		
Notes		Please do not use for new projects.; no more adapters available as accessories
Pack quantity		1 pcs.

Electrical connection

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



Connection

