

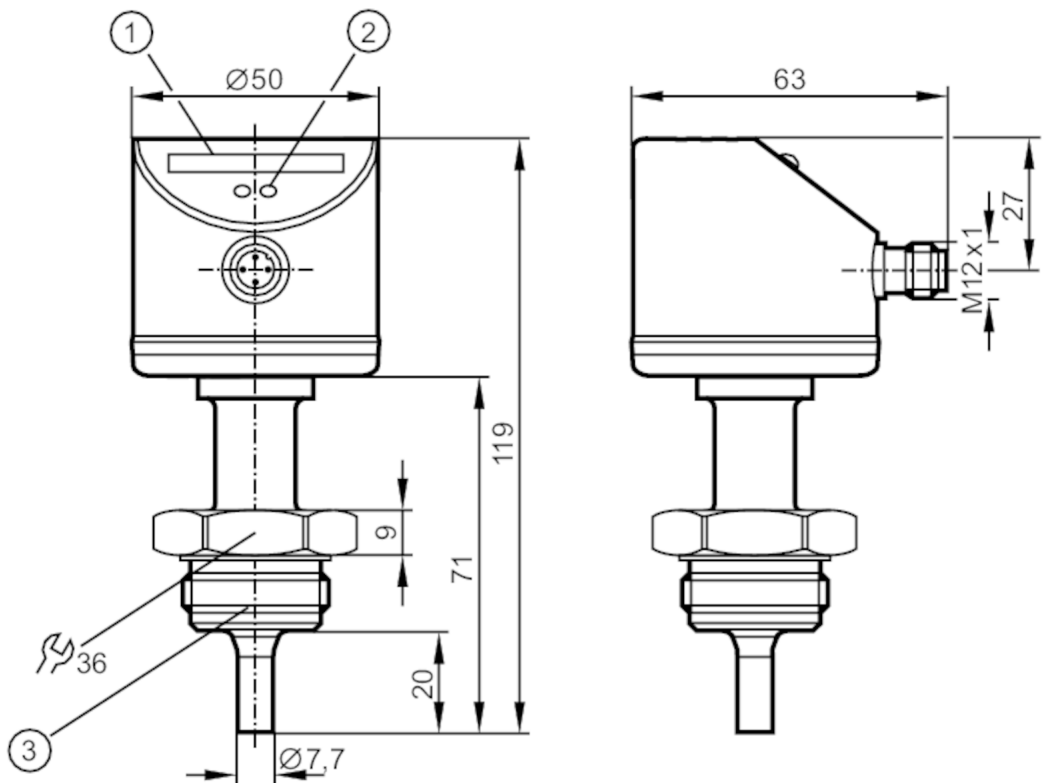
SI6100



Flow monitor

SIS30ABBPKG/US-100-IPF

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



- 1 LED display
- 2 setting pushbutton
- 3 Aseptoflex thread



EC 1935/2004

EHEDG Tested

FCM

FDA



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1
Process connection	threaded connection Aseptoflex external thread Aseptoflex

Application

System	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 / closed; (configurable)
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		yes (non-latching)
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)
Max. temperature gradient of medium [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)
Reaction times		
Response time [s]		1...10
Software / programming		
Adjustment of the switch point		pushbuttons
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
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Mechanical data

Weight	[g]	395.5
Housing		tubular
Dimensions	[mm]	Ø 50 / L = 119
Material		stainless steel (1.4404 / 316L); PC; PBT-GF20; EPDM/X; O-ring: FKM
Materials (wetted parts)		stainless steel (1.4435 / 316L) 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-color
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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: gold-plated



Connection

