

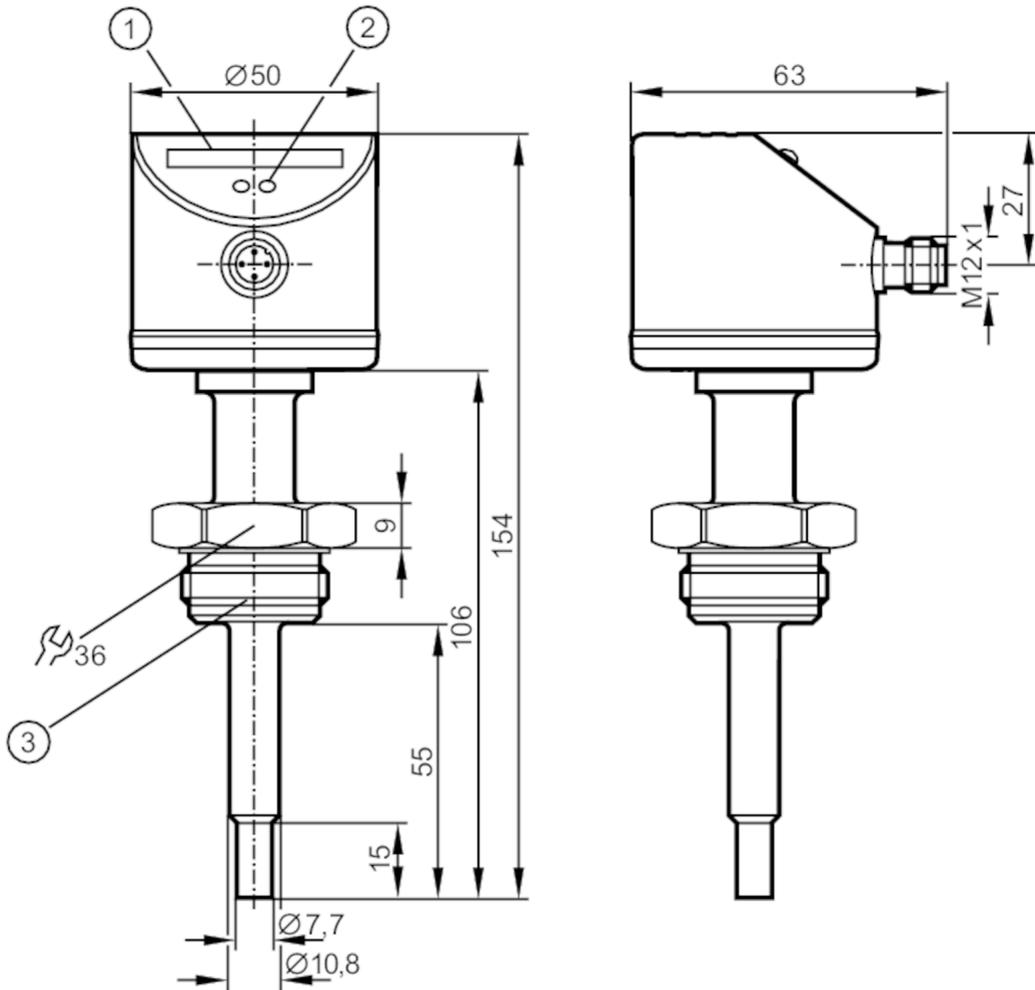
SI6000



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

EHDG Tested

FCM



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

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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]	55
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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
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Software / programming

Adjustment of the switch point	pushbutton
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Operating conditions

Ambient temperature [°C]	-25...60
Protection	IP 67; IP 69K

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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)
MTTF	[years]	298

Mechanical data		
Weight	[g]	381
Housing		cylindrical
Dimensions	[mm]	Ø 50 / L = 154
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]	55

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: gold-plated



Connection

