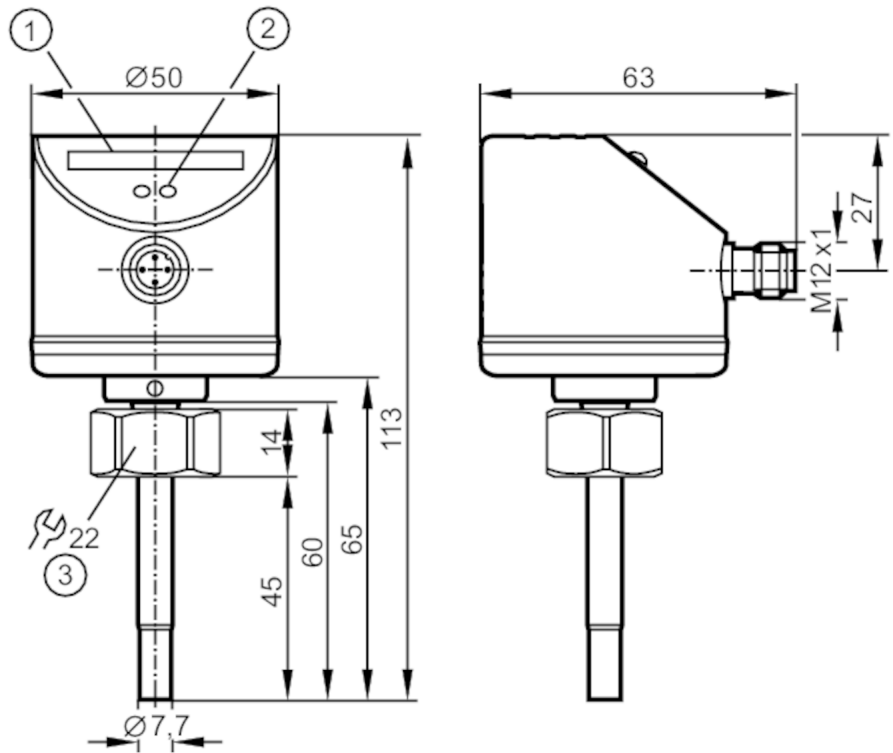


SI0551



Flow transmitter

SID10ABB100G/US-100



- 1 LED display
- 2 setting pushbutton
- 3 Tightening torque 25 Nm



Product characteristics			
Number of inputs and outputs		Number of analog outputs: 1	
Process connection		threaded connection M18 x 1,5 Internal thread	
Application			
Media		Liquids	
Medium temperature [°C]		-25...80	
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 analog outputs: 1	
Outputs			
Total number of outputs		1	
Output signal		analog signal	
Number of analog outputs		1	

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Analog current output	[mA]	4...20
Max. load	[Ω]	500
Overload protection		yes
Measuring/setting range		
Probe length L	[mm]	45
Flow range	[cm/s]	3...250
Greatest sensitivity	[cm/s]	3...100
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)
Reaction times		
Response time	[s]	1...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Storage temperature	[°C]	-25...100
Protection		IP 67
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	20 g (55...2000 Hz)
MTTF	[years]	238
Mechanical data		
Weight	[g]	228.3
Housing		tubular
Dimensions	[mm]	Ø 50 / L = 113
Material		stainless steel (1.4404 / 316L); stainless steel (1.4310 / 301); PC; PBT-GF20; EPDM/X
Materials (wetted parts)		stainless steel (1.4404 / 316L); O-ring: FKM 80 Shore A
Process connection		threaded connection M18 x 1,5 Internal thread
Probe diameter	[mm]	8.2
Installation length EL	[mm]	45
Displays / operating elements		
Display	Function	10 x LED, three-color
Remarks		
Pack quantity		1 pcs.

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Electrical connection

Connector: 1 x M12; coding: A



Connection

