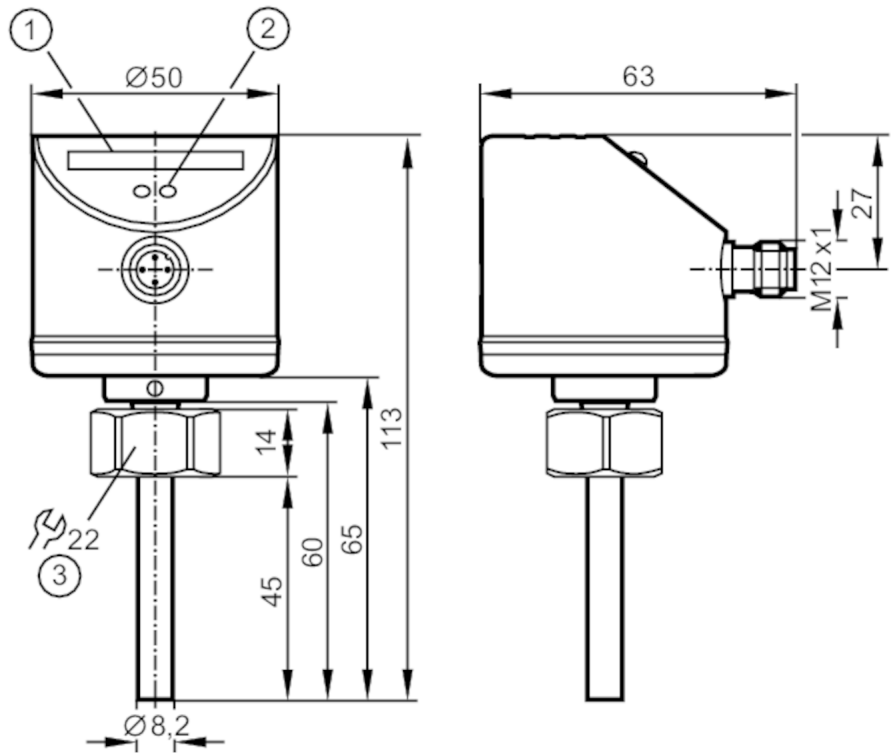




Flow monitor

SID10ADBFPKG/US-100



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



Product characteristics	
Number of inputs and outputs	Number of digital outputs: 2
Process connection	M18 x 1,5 internal thread
Application	
Media	Liquids
Medium temperature [°C]	-15...70
Electrical data	
Operating voltage [V]	24 DC; (18...32 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: 2
Outputs	
Total number of outputs	2
Output signal	switching signal
Electrical design	PNP
Number of digital outputs	2



Flow monitor

SID10ADBFPKG/US-100

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]		45	
Setting range [cm/s]		3...300	
Greatest sensitivity [cm/s]		3...100	
Accuracy / deviations			
Repeatability [X01]		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; 15...70 °C)	
Temperature gradient [K/min]		300	
Switch point accuracy [cm/s]		± 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...80	
Storage temperature [°C]		-25...100	
Protection		IP 67	
Tests / approvals			
EMC		DIN EN 61000-4-2 ESD	6 kV CD / 8 kV AD
		DIN EN 61000-4-3 HF radiated	10 V/m
		DIN EN 61000-4-4 Burst	2 kV
		DIN EN 61000-4-5 Surge	0,5 kV / 1 kV
		DIN EN 61000-4-6 HF conducted	10 V
Shock resistance		DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance		DIN EN 60068-2-6	1.6 mm (2...25 Hz) / 20 g (25...2000 Hz)
MTTF [ANN]		267	
Mechanical data			
Weight [g]		244.85	
Dimensions [mm]		M18 x 1.5	
Thread designation		M18 x 1.5	
Materials		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	

SI0557



Flow monitor

SID10ADBFPKG/US-100

Process connection	M18 x 1,5 internal thread	
Displays / operating elements		
Display	function	10 x LED, three-colour
Remarks		
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12; coding: A



Connection

