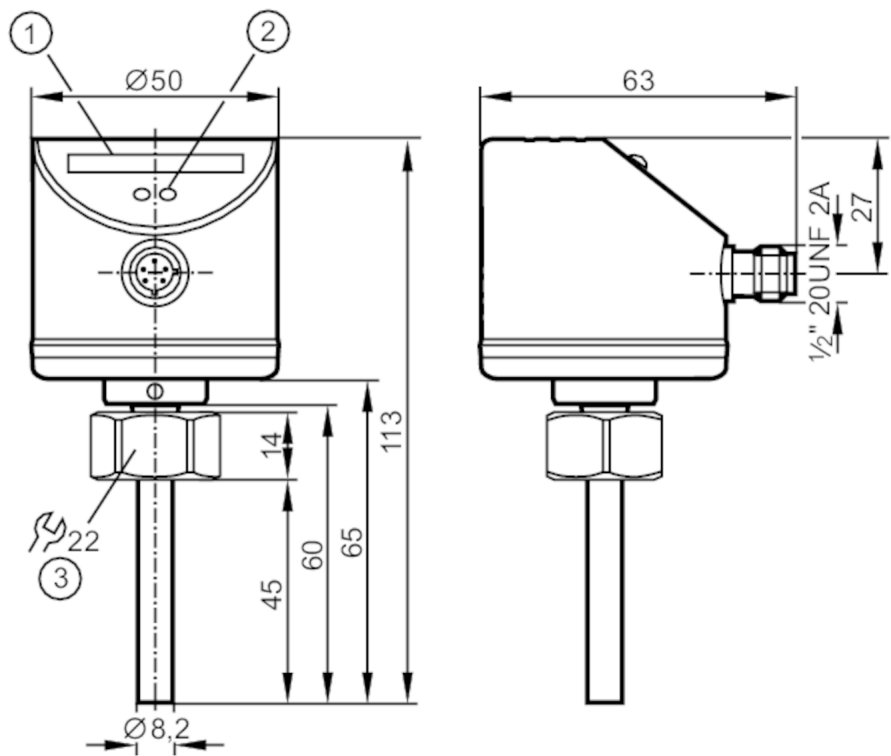




Flow monitor

SID10ADBFKOW/LS-100-IRF



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



Product characteristics		
Number of inputs and outputs		Number of digital outputs: 1
Process connection		M18 x 1,5 internal thread
Application		
Media		Liquids; Gases
Medium temperature	[°C]	-25...80
Pressure rating	[bar]	300
MAWP (for applications according to CRN)	[bar]	208
Liquids		
Medium temperature	[°C]	-25...80
Gases		
Medium temperature	[°C]	-25...80
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage tolerance	[%]	-15...10
Operating voltage	[V]	90...240 AC
Max. power consumption	[VA]	3.5
Protection class		II



Flow monitor

SID10ADBFKOW/LS-100-IRF

Reverse polarity protection	no
Power-on delay time [s]	10
Inputs / outputs	
Number of inputs and outputs	Number of digital outputs: 1
Outputs	
Total number of outputs	1
Output signal	switching signal
Electrical design	relay
Number of digital outputs	1
Output function	normally open / normally closed; (parameterisable)
Contact rating	3 A (250 V AC / 30 V DC); (number of switching cycles: 20 million mechanically; switching cycles at 3 A load: 100,000 electrical; type of switch-off: normally open)
Short-circuit proof	no
Overload protection	no
Measuring/setting range	
Probe length L [mm]	45
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 [% of Sr]	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
Liquids	
Response time [s]	1...10
Gases	
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



Flow monitor

SID10ADBFKOW/LS-100-IRF

Tests / approvals		
EMC	DIN EN 61000-6-2	
	DIN EN 61000-6-3	
Shock resistance	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	18 g (55...2000 Hz)
MTTF	[years]	221

Mechanical data		
Weight	[g]	262.5
Dimensions	[mm]	M18 x 1.5
Thread designation		M18 x 1.5
Materials		stainless steel (316L/1.4404); stainless steel (1.4301 / 304); PC; PBT-GF20; EPDM/X
Materials (wetted parts)		stainless steel (316L/1.4404); O-ring: FKM 80 Shore A
Process connection		M18 x 1,5 internal thread

Displays / operating elements		
Display	function	10 x LED, three-colour

Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting

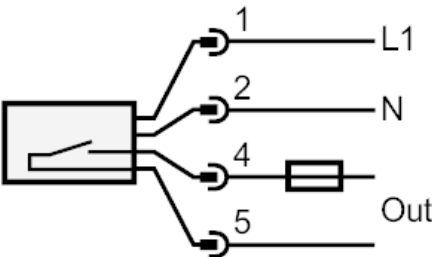
Remarks		
Remarks		Recommendation Check the safe functioning of the unit after a short circuit.
Pack quantity		1 pcs.

Electrical connection		
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Connector: 1 x 1/2"; coding: C



Connection



Note miniature fuse to IEC60127-2 sheet 1 ≤ 5 A fast acting