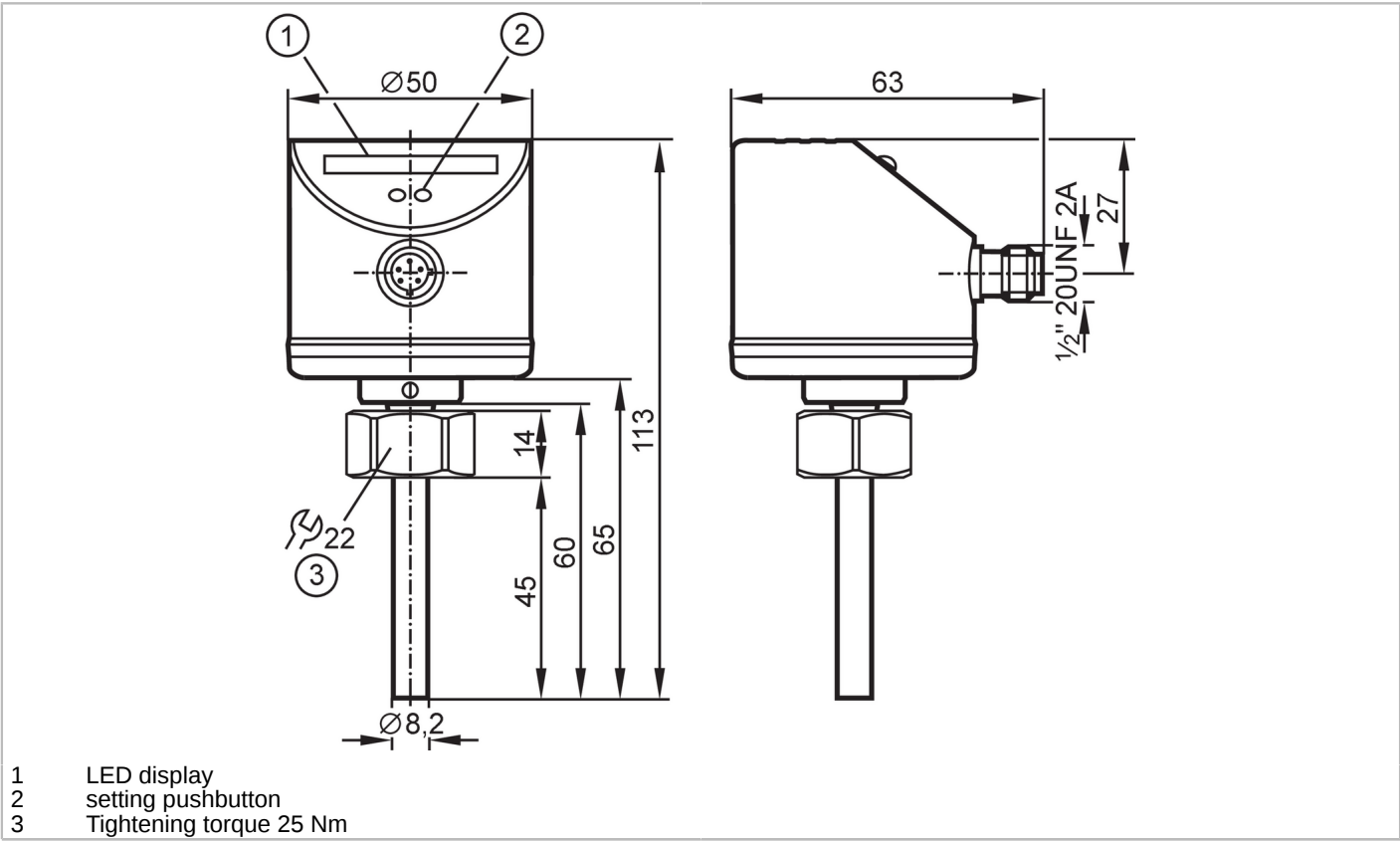


SI0562



Flow monitor

SID10ADBFKOW/LS-100-IRF



Reg31



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1
Process connection	threaded connection M18 x 1,5 Internal thread

Application

Media	Liquids; Gases
Medium temperature [°C]	-25...80
Pressure rating	300 bar 30 MPa
MAWP (for applications according to CRN) [bar]	208

Liquids

Medium temperature [°C]	-25...80
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Gases

Medium temperature [°C]	-25...80
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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
Reverse polarity protection	no
Power-on delay time [s]	10



Flow monitor

SID10ADBFKOW/LS-100-IRF

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 / closed; (configurable)
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		
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)
Max. temperature gradient of medium		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)
Reaction 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		pushbuttons
Operating conditions		
Ambient temperature	[°C]	-25...80
Storage temperature	[°C]	-25...100
Protection		IP 67
Tests / approvals		
EMC		DIN EN 61000-6-2
		DIN EN 61000-6-3

SI0562



Flow monitor

SID10ADBFKOW/LS-100-IRF

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	
UL approval	File number UL	E174189

Mechanical data

Weight [g]	286.15	
Housing	tubular	
Dimensions [mm]	Ø 50 / L = 113	
Material	stainless steel (1.4404 / 316L); stainless steel (1.4301 / 304); PC; PBT-GF20; EPDM/X	
Materials (wetted parts)	stainless steel (1.4404 / 316L); O-ring: EPDM	
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
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Electrical connection

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

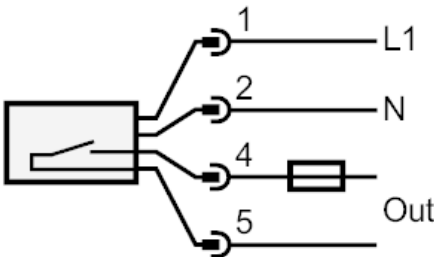
Remarks	Recommendation Check the safe functioning of the unit after a short circuit.	
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x 1/2"; coding: C; Contacts: 5



Connection



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