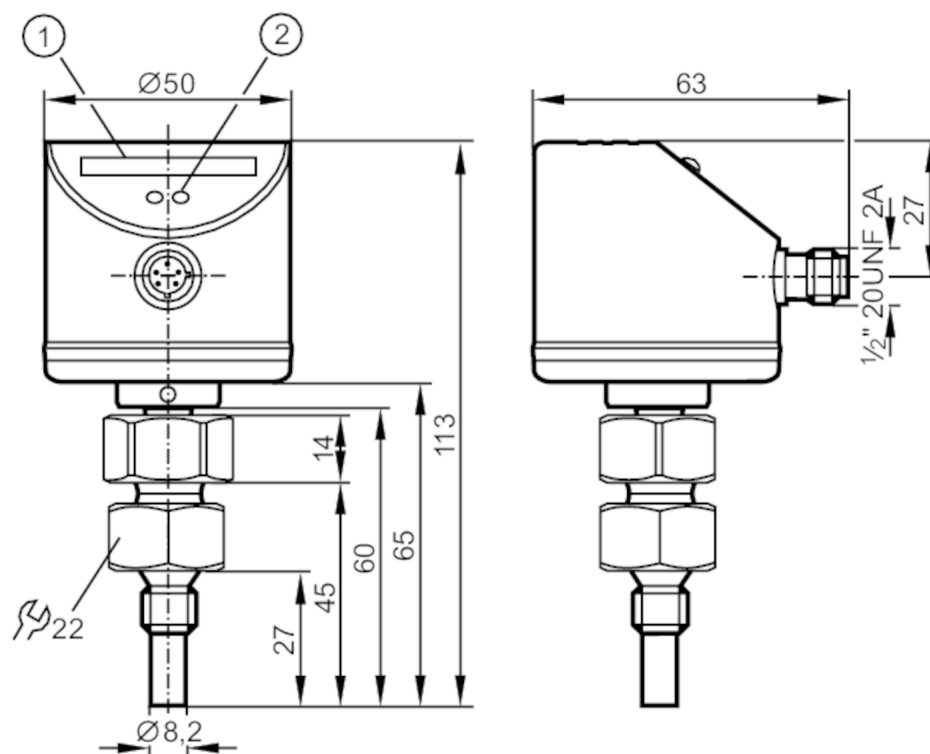


Flow monitor

SID10ADBFKOW/LS-100-IRF

Article no longer available - archive entry



- 1 LED bar display
2 setting pushbutton



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1
Process connection	G 1/4 external thread

Application

Media	Liquids; Gases
Medium temperature [°C]	-25...80
Pressure rating [bar]	300

Liquids

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

Gases

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

Electrical data

Operating voltage tolerance [%]	-5...10
Operating voltage [V]	85...265 AC
Nominal voltage AC [V]	< 240
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 / 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	
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]	$\pm 2... \pm 10$; (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

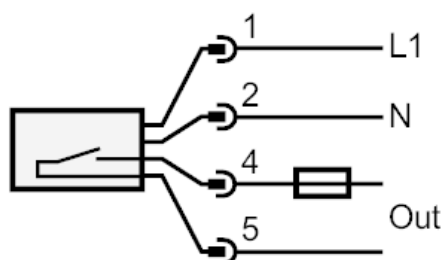
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
Shock resistance	DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	18 g (55...2000 Hz)
Mechanical data		
Weight	[g]	304
Materials	stainless steel (1.4404 / 316L); stainless steel (1.4301 / 304); PC; PBT-GF20; EPDM/X	
Materials (wetted parts)	stainless steel (1.4404 / 316L); O-ring: FKM 80 Shore A	
Tightening torque	[Nm]	25
Process connection	G 1/4 external 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

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



Connection

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