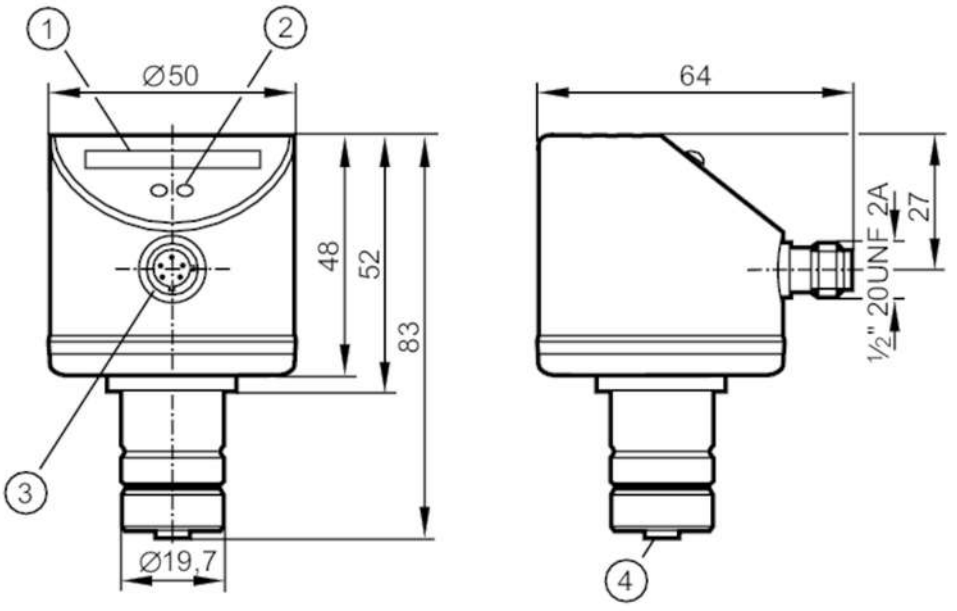
SR5906

Control monitor for flow sensors

SRM12XXAKOW/LS-100-IRF



1 LED bar display
2 setting pushbutton
3 connection for voltage supply and output signals
4 connection for flow sensor

Application		
Application		Flow monitoring; Wire monitoring
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
Number of channels		1
Outputs		
Electrical design		relay
Contact rating		3 A (250 V AC / 30 V DC); (switching cycles at 3 A load: 100.000; type of switch-off: normally open)
Switching cycles (mechanical)		20_Millionen
Switching function flow monitoring		output switches when flow is present: ON for output function = normally open / OFF for output function = normally closed
Short-circuit protection		no
Overload protection		no

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Software / programming			
Adjustment of the switch point		pushbutton	
Operating conditions			
Ambient temperature	[°C]	-20...60	
Protection		IP 67; (with sensor attached)	
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	30 g (6 ms)
Vibration resistance		DIN IEC 68-2-6	2 g (55...2000 Hz)
MTTF	[years]	209	
Mechanical data			
Weight	[g]	244.5	
Housing		cylindrical	
Dimensions	[mm]	Ø 50 / L = 83	
Materials		stainless steel (316L/1.4404); stainless steel (304/1.4301); PC; PBT-GF20; EPDM/X; brass	
Displays / operating elements			
Display		function	LED, bar graph
		switching status	LED, orange flash in case of wire break
Electrical connection			
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting	
Remarks			
Remarks		Connection for flow sensor without short-circuit protection / reverse polarity protection.	
		The flow sensor must be directly connected to the control monitor.	
		A connection by means of extension cables is not allowed.	
		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

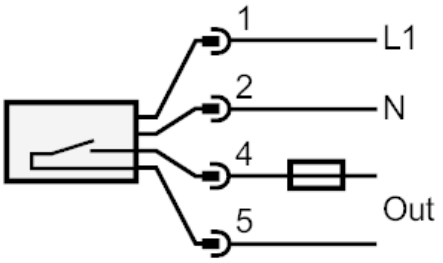


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Connection



n.c. =	not used
Note	miniature fuse to IEC60127-2 sheet 1 ≤ 5 A fast acting
Caution	no protective insulation between relay circuit and supply voltage