SI1003

Flow monitor

SID10ADBFNKG/US-100-INF

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Alternative articles: SI5003

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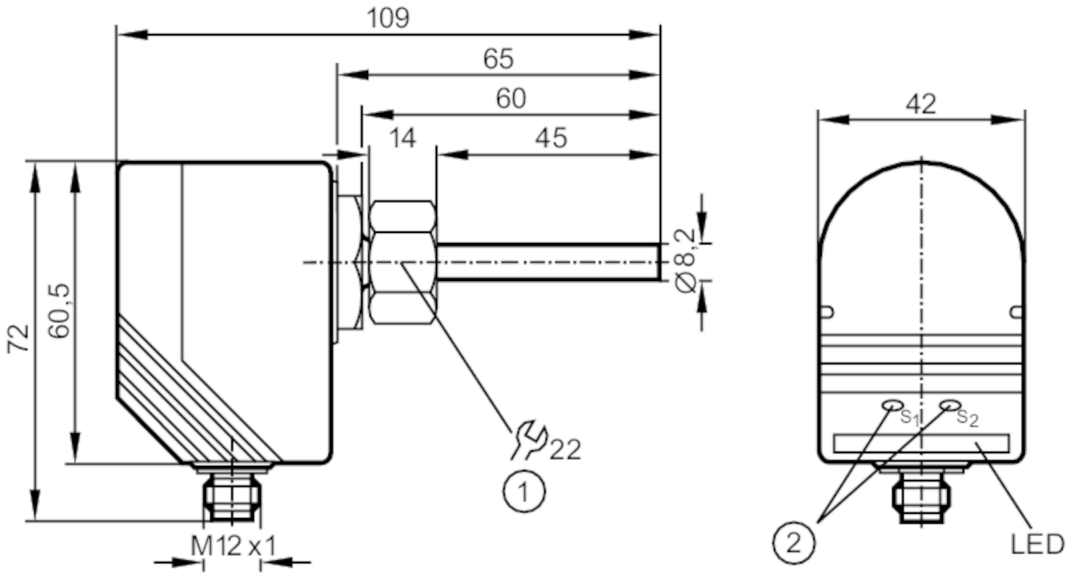

1 internal thread M18 x 1.5
2 setting pushbuttons

Product characteristics		
Number of inputs and outputs		Number of digital outputs: 2
Process connection		M18 x 1,5 internal 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	[V]	20...36 DC; (to SELV/PELV)
Current consumption	[mA]	< 90
Reverse polarity protection		yes
Power-on delay time	[s]	15; (optically indicated)
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 2

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Outputs			
Total number of outputs		2	
Output signal		switching signal	
Electrical design		NPN	
Number of digital outputs		2	
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			
Liquids			
Setting range	[cm/s]	3...300	
Greatest sensitivity	[cm/s]	3...60	
Gases			
Setting range	[cm/s]	200...3000	
Greatest sensitivity	[cm/s]	200...800	
Accuracy / deviations			
Temperature gradient	[K/min]	300	
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	
Protection		IP 67	
Tests / approvals			
Shock resistance		DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance		DIN EN 60068-2-6	20 g (55...2000 Hz)
Mechanical data			
Dimensions	[mm]	M18 x 1.5	
Thread designation		M18 x 1.5	
Materials		PBT-GF20	
Materials (wetted parts)		stainless steel (316L/1.4404); O-ring: FPM 8 x 1,5 gr 80° Shore A	
Process connection		M18 x 1,5 internal thread	

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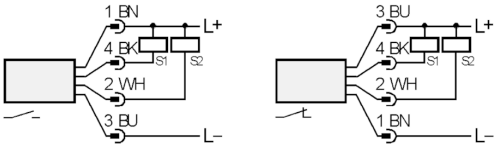
Displays / operating elements		
Display	function	10 x LED, three-colour

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A

Connection