SI1101

Flow monitor

SID10ADTFNKG/US-100-INF

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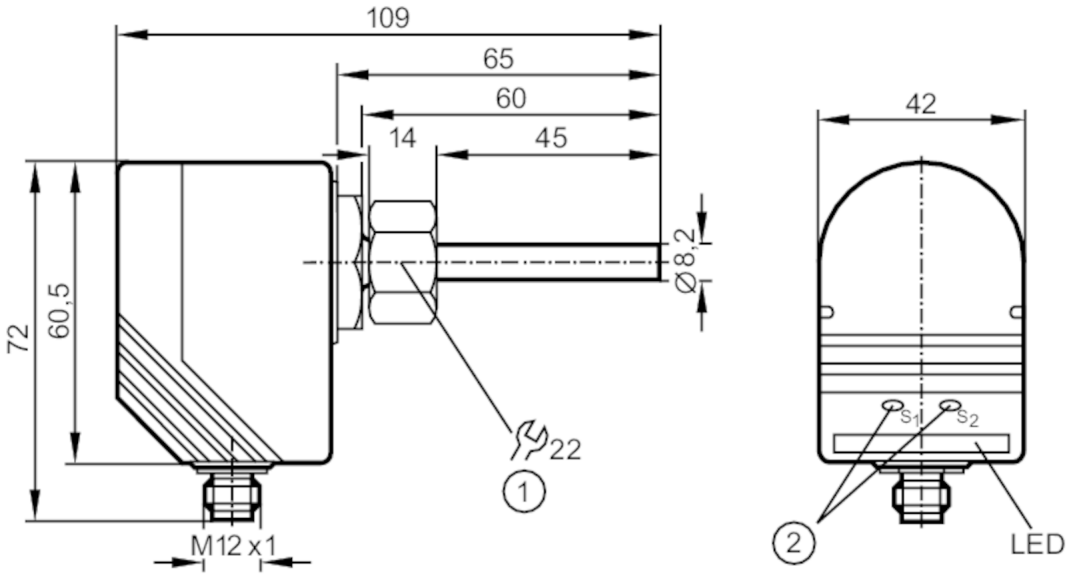

1 internal thread M18 x 1.5
2 setting pushbuttons

Product characteristics		
Number of inputs and outputs		Number of digital outputs: 1
Process connection		M18 x 1,5 internal thread
Application		
Media		Liquids; Gases; aggressive media
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]	< 80
Reverse polarity protection		yes
Power-on delay time	[s]	15; (optically indicated)
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 1
Outputs		
Total number of outputs		1
Output signal		switching signal

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Electrical design			NPN
Number of digital outputs			1
Output function			normally open / normally closed; (parameterisable)
Max. voltage drop switching output DC	[V]		2.5
Permanent current rating of switching output DC	[mA]		400
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...2
Liquids			
Response time	[s]		1...2
Gases			
Response time	[s]		1...2
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)			titanium (3.7035); O-ring: FPM 8 x 1,5 gr 80° Shore A
Process connection			M18 x 1,5 internal thread
Displays / operating elements			
Display		function	10 x LED, three-colour

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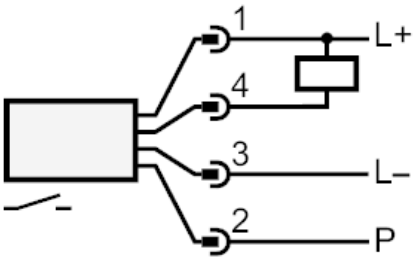
Remarks

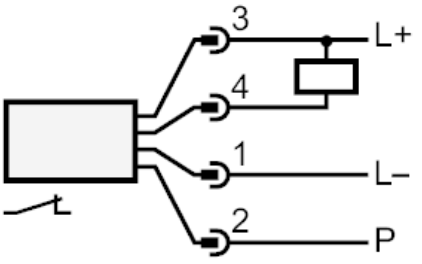
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A

Connection





P = programming wire