SI0508

Flow monitor

SID10ABBFPKG/US-100-IPF

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Alternative articles: SI5000

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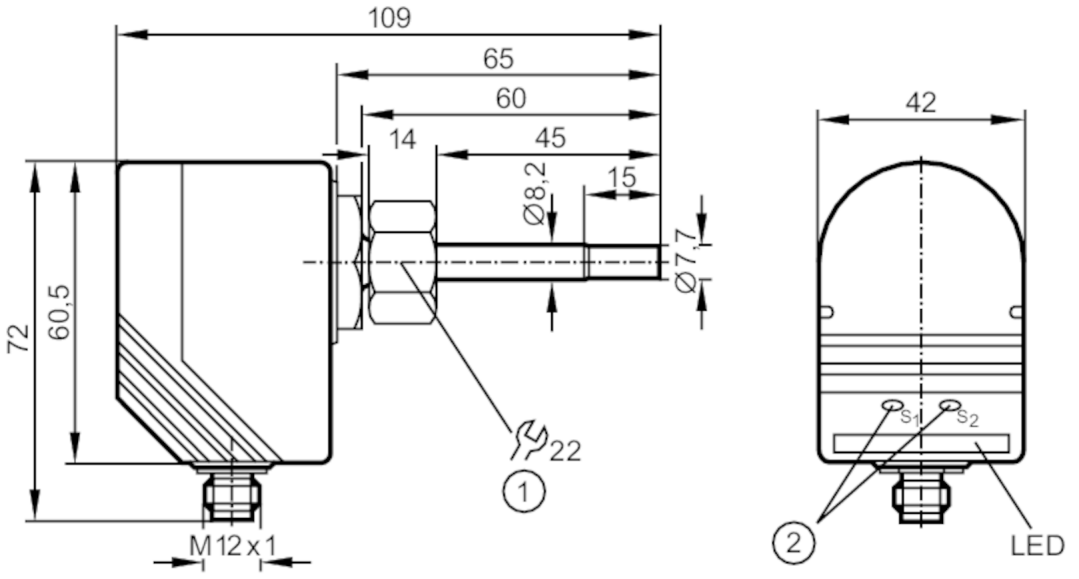

1 internal thread M18 x 1.5
2 setting pushbuttons

Product characteristics		
Number of inputs and outputs		Number of digital outputs: 1
Process connection		M18 x 1,5 internal thread
Application		
Media		Liquids; Gases
Medium temperature	[°C]	-25...80
Pressure rating	[bar]	30
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]	10; (optically indicated)
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 1

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Outputs			
Total number of outputs			1
Output signal			switching signal
Electrical design			PNP
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			
Probe length L	[mm]		45
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
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			
Weight	[g]		274.5
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: FKM 80 Shore A
Process connection			M18 x 1,5 internal thread

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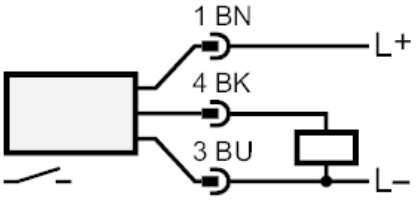
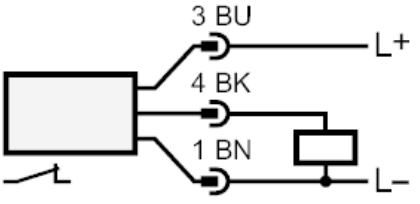
Displays / operating elements		
Display	function	10 x LED, three-colour

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A

Connection