SI1100

Flow monitor

SID10ADTFPKG/US-100-IPF

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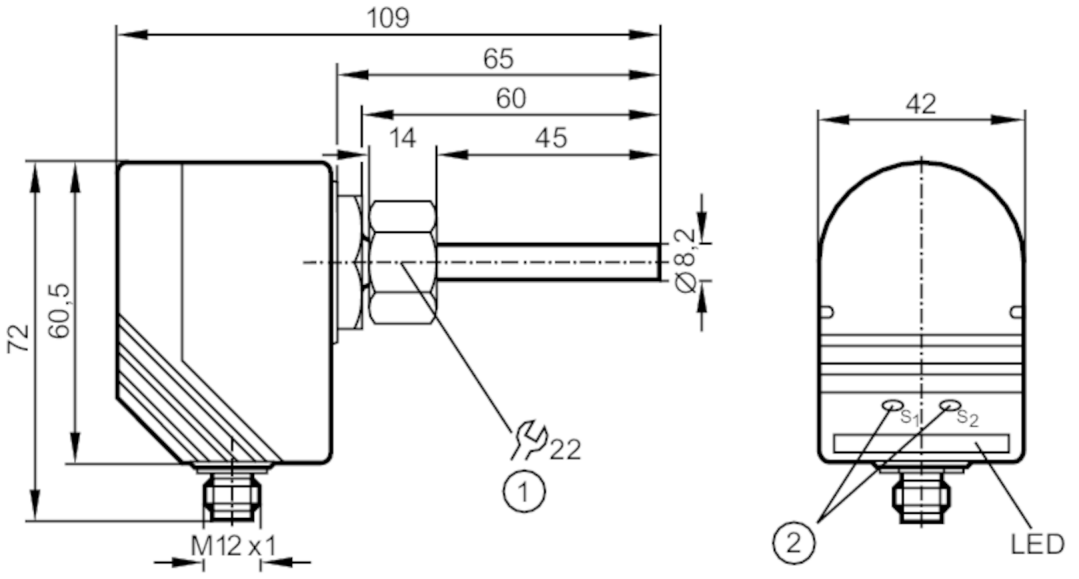
Alternative articles: SI5100

When selecting an alternative article and accessories please note that technical data may differ!



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

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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
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		
Weight	[g]	251.5
Dimensions	[mm]	M18 x 1.5
Thread designation		M18 x 1.5
Materials		PBT-GF20

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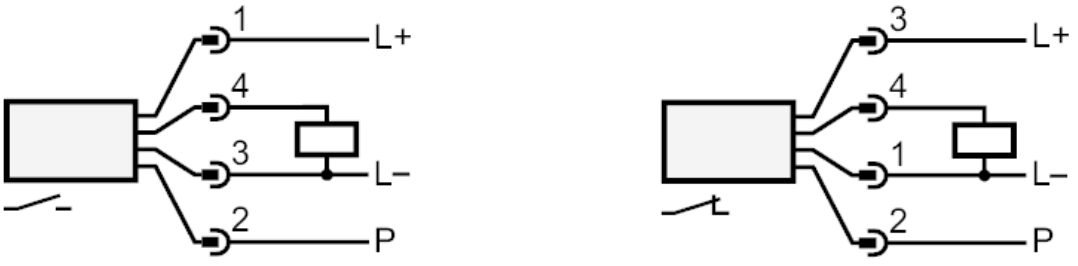
Materials (wetted parts)	titanium (3.7035); O-ring: FKM 80 Shore A	
Process connection	M18 x 1,5 internal thread	
Displays / operating elements		
Display	function	10 x LED, three-colour
Remarks		
Pack quantity	1 pcs.	
Electrical connection		

Connector: 1 x M12; coding: A

Connection



P = programming wire for remote calibration