

SI1000



Flow monitor

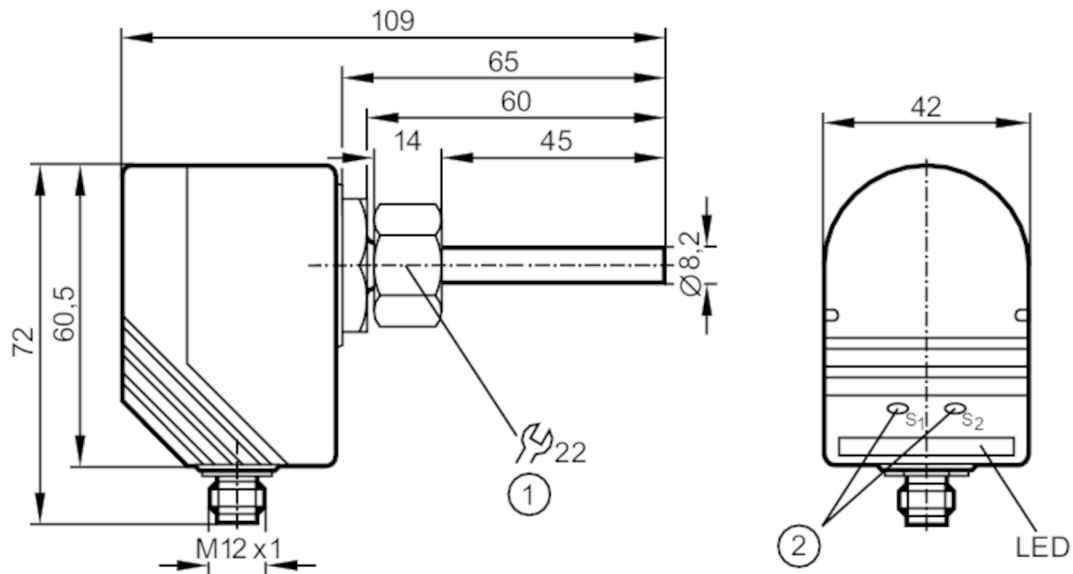
SID10ADBFPKG/US-100-IPF

Article no longer available - archive entry

Alternative articles: SI5000 or SI5010

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

Note: pressure rating for SI5000 = 30 bar



- 1 internal thread M18 x 1.5
2 setting pushbuttons



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1
Process connection	threaded connection M18 x 1,5 internal thread

Application

Media	Liquids; Gases
Medium temperature [°C]	-25...80
Pressure rating	300 bar 30 MPa

Liquids

Medium temperature [°C]	-25...80
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Gases

Medium temperature [°C]	-25...80
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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)



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Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 1
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		
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]	254.8
Dimensions	[mm]	60.5 x 42 x 109
Materials		PBT-GF20

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Materials (wetted parts)	stainless steel (316L/1.4404); O-ring: FPM 8 x 1,5 gr 80° Shore A		
Process connection	threaded connection M18 x 1,5 internal thread		
Probe diameter	[mm]	8.2	
Installation length EL	[mm]	45	

Displays / operating elements

Display	function	10 x LED, three-colour
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Remarks

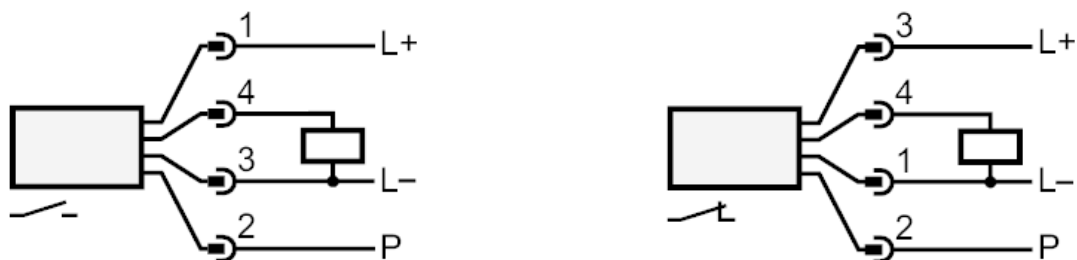
Pack quantity	1 pcs.		
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Electrical connection

Connector: 1 x M12; coding: A



Connection



P = programming wire