

SI5004

Flow monitor

SID10ADB10OG/



- 1 LED bar display
- 2 setting pushbutton
- 3 Tightening torque 25 Nm



Application

Media		Liquids
Medium temperature	[°C]	-25...80
Pressure rating	[bar]	300
MAWP (for applications according to CRN)	[bar]	208
Liquids		
Medium temperature	[°C]	-25...80

Electrical data

Operating voltage	[V]	19...36 DC
Current consumption	[mA]	< 60
Protection class		III
Reverse polarity protection		yes
Power-on delay time	[s]	10

Inputs / outputs

Number of inputs and outputs	Number of analogue outputs: 1
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Outputs		
Total number of outputs	1	
Output signal	analogue signal	
Number of analogue outputs	1	
Analogue current output [mA]	4...20	
Max. load [Ω]	500	
Overload protection	yes	
Measuring/setting range		
Liquids		
Setting range [cm/s]	3...300	
Greatest sensitivity [cm/s]	3...100	
Accuracy / deviations		
Repeatability [cm/s]	1...5	
Temperature drift [cm/s x 1/K]	0.1; (for water 5...100 cm/s; 10...70 °C)	
Measuring error [% of the final value]	± 2...± 10 cm/s	
Response times		
Response time [s]	1...10	
Liquids		
Response time [s]	1...10	
Operating conditions		
Ambient temperature [°C]	-25...80	
Storage temperature [°C]	-25...100	
Protection	IP 67	
Tests / approvals		
EMC	DIN EN 61000-6-2	
	DIN EN 61000-6-3	
Shock resistance	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	20 g (55...2000 Hz)
MTTF [years]	259	
Mechanical data		
Weight [g]	233.6	
Dimensions [mm]	M18 x 1.5	
Thread designation	M18 x 1.5	
Materials	stainless steel (1.4404 / 316L); stainless steel (1.4301 / 304); PC; PBT-GF20; EPDM/X	
Materials (wetted parts)	stainless steel (1.4404 / 316L); 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		

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Connection

