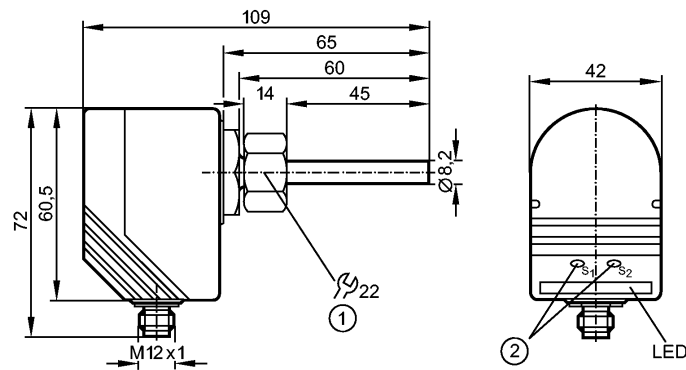


SI1010

SID10ADBFPKG/US

Flow sensors

replaced by: SI5010



- 1: internal thread M18 x 1.5
- 2: setting pushbuttons



Product characteristics

Flow monitor	
Compact type for adapter	
Process connection: internal thread M18 x 1.5 for adapter	
Probe length: 45 mm	
short response time	
Setting range: 3...300 cm/s (liquids)	

Application

Application	coolants / oils in machine tools
Pressure rating [bar]	300
Medium temperature Liquids [°C]	-25...80
Medium temperature Gases [°C]	-

Electrical data

Electrical design	DC PNP
Operating voltage [V]	20...36 DC ¹⁾
Current consumption [mA]	< 100
Reverse polarity protection	yes

Outputs

Output function	normally open / closed programmable
Current rating [mA]	400
Voltage drop [V]	< 2.5
Short-circuit protection	yes (non-latching)
Overload protection	yes

Measuring / setting range

Liquids	
Setting range [cm/s]	3...300
Greatest sensitivity [cm/s]	3...60
Gases	
Setting range [cm/s]	-
Greatest sensitivity [cm/s]	-

Accuracy / deviations

SI1010

SID10ADBFPKG/US

Flow sensors

Max. temperature gradient of medium [K/min]	300
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Reaction times

Power-on delay time [s]	15 *)
Response time [s]	1...2 **)

Software / programming

Adjustment of the switch point	pushbuttons
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Environment

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)
MTTF [Years]		258

Mechanical data

Process connection	internal thread M18 x 1.5 for adapter	
Materials (wetted parts)	stainless steel 316L / 1.4404; O-ring: FKM 8 x 1.5 gr 80° Shore A	
Housing materials	PBT-GF 20	
Probe length L [mm]	45	
Weight [kg]	0.292	

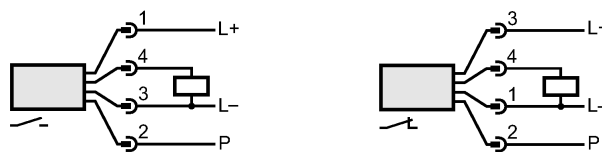
Displays / operating elements

Function display	LED	10 LEDs, three-colour
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Electrical connection

Connection	M12 connector
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Wiring



P = programming wire (for remote adjustment)

Remarks

Remarks	<p>1) to EN50178, SELV, PELV *) optically indicated **) for a temperature gradient of 1 K/min</p>
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Pack quantity [piece]	1
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