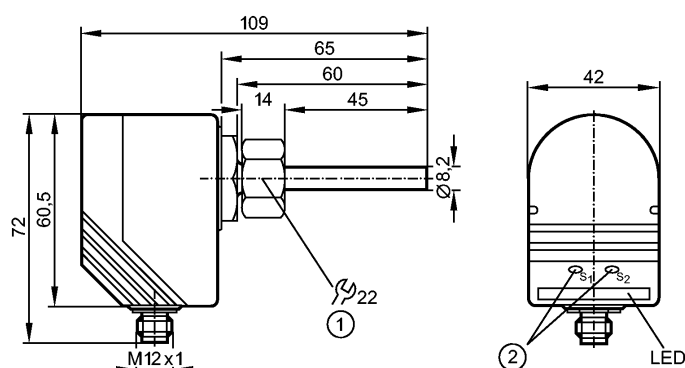


SI1010

replaced by: SI5010



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



Made in Germany

Product characteristics

Flow monitor

Compact type for adapter

Connector

Process connection: internal thread M18 x 1.5 for adapter

short response time

Application

Application	coolants / oils in machine tools
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	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]		-
Greatest sensitivity [cm/s]		-

Accuracy / deviations

Max. temperature gradient of medium [K/min]	300
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SI1010

Flow sensors

Reaction times	
Power-on delay time	[s] 15 *)
Response time	[s] 1...2 **)
Software / programming	
Adjustment of the switch point	pushbuttons

SI1010

Environment		
Pressure rating	[bar]	300
Ambient temperature	[°C]	-25...80
Protection		IP 67

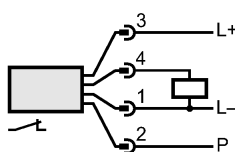
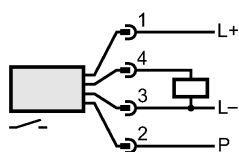
Tests / approvals		
Shock resistance	DIN IEC 68-2-27:	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6:	20 g (55...2000 Hz)
MTTF	[Years]	258

Mechanical data		
Process connection		internal thread M18 x 1.5 for adapter
Materials (wetted parts)		stainless steel 316L / 1.4404; O-ring: FPM 8 x 1.5 gr 80° Shore A
Housing materials		PBT-GF 20
Weight	[kg]	0.281

Displays / operating elements		
Function display	LED	10 LEDs, three-colour

Electrical connection		
Connection		M12 connector

Wiring



P = programming wire (for remote adjustment)

Remarks	
Remarks	1) to EN50178, SELV, PELV *) optically indicated **) for temperature gradient 1 K/min