

efector300

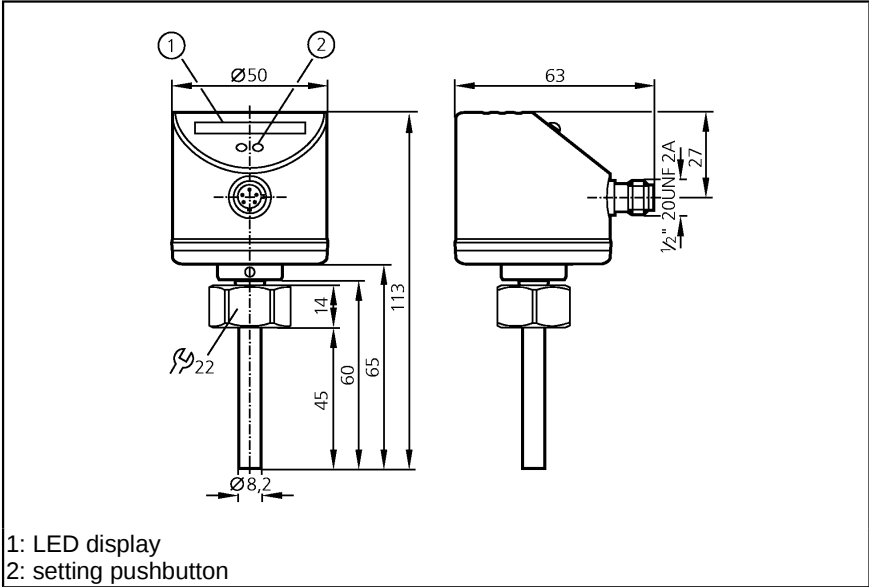


Flow sensors

SI5006

SID10ADBFKOW/LS
Flow monitor
Compact type for adapter
Plug and socket
Process connection: internal thread
M18 x 1.5 for adapter

1 relay output



1: LED display
2: setting pushbutton



Application	
Electrical design	
Output	
Nominal voltage	[V]
Operating voltage	[V]
Voltage tolerance	[%]
Contact rating	
Short-circuit proof	
Reverse polarity protection	
Overload protection	
Power consumption	[VA]
Max. temperature gradient of medium	[K/min]
Pressure rating	[bar]
Liquids	
Medium temperature	[°C]
Setting range	[cm/s]
Greatest sensitivity	[cm/s]
Gases	
Medium temperature	[°C]
Setting range	[cm/s]
Greatest sensitivity	[cm/s]

liquids and gases	
AC / relay	
normally open / closed programmable	
90...240 AC (45...65 Hz)	
85...265 AC	
-5 / +10	
3 A (250 V AC / 30 V DC) ¹⁾	
no	
no	
no	
< 3.5	
300	
300	
-25...80	
3...300	
3...100	
-25...80	
200...3000	
200...800	

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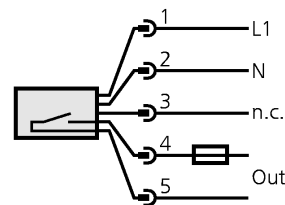
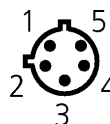
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**SI5006**

Adjustment of the switch point	pushbuttons
Accuracy of switch point [cm/s]	$\pm 2... \pm 10$ *)
Hysteresis [cm/s]	2...5 *)
Repeatability [cm/s]	1...5 *)
Power-on delay time [s]	10
Response time [s]	1...10
Temperature drift [cm/s x 1/K]	0.1 **)
Operating temperature [°C]	-25...80
Protection	IP 67, II
Shock resistance [g]	50 (DIN / IEC 68-2-27, 11 ms)
Vibration resistance [g]	20 (DIN / IEC 68-2-6, 55-2000 Hz)
EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 10 V
Housing material	stainless steel (304S15); PC (Makrolon); PBT-GF 20; EPDM/X (Santoprene)
Materials (wetted parts)	stainless steel (316S12); O-ring: FPM 8 x 1.5 gr 80° Shore A
Function display LED	10 LEDs, three-colour
Connection	1/2" UNF-Connector
Remarks	n.c. = not connected 1) number of switching cycles: 20 million mechanically switching cycles with 3 A load: 100.000 electrically relay type: contact closed at work *) for water; 5...100 cm/s; 25°C (factory setting) **) for water; 5...100 cm/s; 10...70°C Recommendation: check the unit for reliable function after a short circuit.

Wiring

N.B: no protective insulation between relay circuit and supply voltage



Note: miniature fuse to IEC60127-2 sheet 1,
≤ 5 A (fast acting)