

SI5006

SID10ADBFKOW/LS

Flow monitor

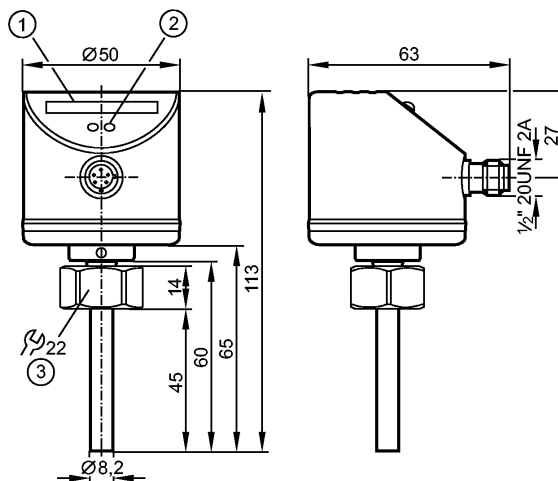
Compact type for adapter

Connector

Process connection: internal thread

M18 x 1.5 for adapter

1 relay output



- 1: LED display
2: setting pushbutton
3: tightening torque 25 Nm



Made in Germany

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

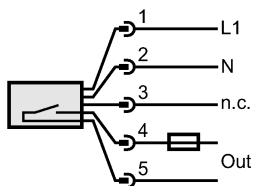
90...240 AC (45...65 Hz)
85...265 AC
-5 / +10
3 A (250 V AC / 30 V DC) ¹⁾
no
no
no
< 3.5
300
300
-25...80
3...300
3...100
-25...80
200...3000
200...800

SI5006

Adjustment of the switch point	pushbuttons
Switch point accuracy [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 **)
Ambient temperature [°C]	-25...80
Storage temperature [°C]	-25...100
Protection	IP 67, II
Shock resistance	DIN IEC 68-2-27: 50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6: 20 g (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
MTTF [Years]	221
Housing materials	stainless steel 316L / 1.4404; stainless steel 304 / 1.4301; PC (Makrolon); PBT-GF 20; EPDM/X (Santoprene)
Materials (wetted parts)	stainless steel 316L / 1.4404; O-ring: FPM 8 x 1.5 gr 80° Shore A
Function display	LED
Connection	1/2" UNF-Connector
Weight [kg]	0.248
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)