

Evaluation systems

**SR5906**

Control monitor for flow sensors

Connection: 1 sensor



Made in Germany

<b>Application</b>
<b>Electrical design</b>
<b>Output</b>
Nominal voltage [V]
Operating voltage [V]
Voltage tolerance [%]
Contact rating
Short-circuit protection
Reverse polarity protection
Overload protection
Power consumption [VA]
<b>Switching function</b>
Flow monitoring
Function display
Adjustment of the switch point
Output status indication LED

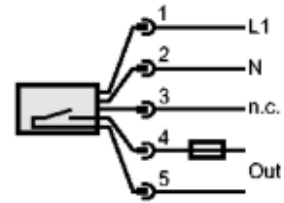
<b>flow monitoring and wire breaking monitoring</b>
<b>AC / relay</b>
<b>normally open / closed programmable</b>
90...240 AC (45...65 Hz)
85...265 AC
-5 / +10
3 A (250 V AC / 30 V DC) <sup>1)</sup>
no
no
no
< 3.5
output switches ON when flow is present (for output function = normally open) output switches OFF when flow is present (for output function = normally closed)
LED display
pushbuttons
Orange LEDs flash in case of wire break

**SR5906**

Power-on delay time [s]	10
Ambient temperature [°C]	-20...60
Protection	IP 67 *) , II
Shock resistance	DIN IEC 68-2-27:30 g (6 ms)
Vibration resistance	DIN IEC 68-2-6:5 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]	209
Housing materials	stainless steel 316L / 1.4404; stainless steel 304 / 1.4301; PC (Makrolon); PBT-GF 20; EPDM/X (Santoprene); brass
Connection	1/2" UNF-Connector
Weight [kg]	0.233
Remarks	1) number of switching cycles: 20 million mechanically switching cycles with 3 A load: 100.000 electrically relay type: contact closed at work *) with sensor attached connection for flow sensor without short-circuit protection / reverse polarity protection The flow sensor must be directly connected to the control monitor. A connection by means of extension cables is not allowed. Recommendation: check the unit for reliable function after a short circuit.

**Wiring**

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



n.c. = not connected  
 Note: miniature fuse to IEC60127-2 sheet 1, ≤ 5 A (fast acting)