

Evaluation systems

SR5900

Control monitor for flow sensors

Connection: 1 sensor



Made in Germany

Application
Electrical design
Output
Operating voltage [V]
Current rating [mA]
Short-circuit protection
Reverse polarity protection
Overload protection
Voltage drop [V]
Current consumption [mA]
Switching function
Flow monitoring
Function display
Adjustment of the switch point
Output status indication LED

flow monitoring and wire breaking monitoring
DC PNP
normally open / closed programmable
19...36 DC
250
yes
yes
yes
< 2.5
< 70
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

SR5900

Power-on delay time [s]	10
Ambient temperature [°C]	-20...60
Protection	IP 67 *) , III
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]	342
Housing materials	stainless steel 316L / 1.4404; stainless steel 304 / 1.4301; PC (Makrolon); PBT-GF 20; EPDM/X (Santoprene); brass
Connection	M12 connector
Weight [kg]	0.213
Remarks	*) 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.

Wiring

