

**SL98A022****FLOW SENSORS • SENSORS FOR AIR**

The function of the flow sensor is based on the calorimetric principle. The probe is heated up from the inside a few degrees Celsius in relation to the flow medium, in which it protrudes. When the medium flows, the heat generated in the probe is dissipated through the medium. The temperature within the sensor is measured and compared with the likewise measured medium temperature. From the obtained temperature difference the flow state of each medium can be derived. These sensors are applied in areas such as monitoring of cooling systems, ventilation systems, pump dry running by checking the presence of liquid or gas flows.

**MECHANICAL DATA**

Cable length	2 m
Degree of protection (IP) of evaluation electronics	IP65
Degree of protection (IP) of measuring head	IP65
Housing design	Cylinder plain
Housing material	PBT
Medium temperature	-10 °C ... 50 °C
Number of wires	4
Pressure resistance	1 bar
Wire cross section	0.5 mm <sup>2</sup>

**ELECTRICAL DATA**

IO-Link compatible	No
Measuring principle of flow	Calorimetric
Operating voltage	24 V ... 24 V
Readiness delay	60 ms
Response time	60000 ms
Setting procedure	Manual adjustment
Type of electrical connection	Cable
Type of switching output	Relay contact
Voltage type	DC
With LED display	Yes

**OTHER DATA**

Suitable for gases	No
Suitable for liquids	No

**DIMENSIONAL DRAWING**

## INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!

## DISPOSAL



## SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!