SL200101

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	5 m
Degree of protection (IP) of evaluation electronics	IP67
Degree of protection (IP) of measuring head	IP67
Housing design	Cylinder plain
Housing material	PBT
Number of wires	3
Type of process connection	None
Wire cross section	0.5 mm²

ELECTRICAL DATA

IO-Link compatible	No
Max. output current	200 mA
Measuring principle of flow	Calorimetric
No-load current	70 mA
Operating voltage	24 V ... 24 V
Readiness delay	40 ms
Response time	2000 ms
Type of electrical connection	Cable
Type of switching output	PNP
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!

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