

## SS98A180

### FLOW SENSORS • SENSORS FOR WATER

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

Sensing element material	Stainless steel 1.4404
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#### ELECTRICAL DATA

IO-Link compatible	No
Max. output current	200 mA
Operating voltage	24 V ... 24 V
Type of electrical connection	Plug-in connection M12
Type of switching function	Normally open contact (NO)
Type of switching output	PNP
Voltage type	DC

#### 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!