

## SS916080

### Flow sensors • Sensors for water

Sensor flow, water, G3/4", connection to amplifier, cable tail 2m, pressure resistance 100bar



The function of the flow sensor is based on the calorimetric principle. The sensor is heated by a few degrees Celsius from the inside compared to the flow medium into which it protrudes. If the medium flows, the heat generated in the sensor is dissipated by the medium. The temperature generated in the sensor is measured and compared with the temperature of the medium, which is also measured. The flow condition for each medium can be derived from the temperature difference obtained. Applications for these sensors include monitoring cooling systems, ventilation systems, dry running of pumps and monitoring the presence of liquid or gas flows.

#### Electrical features

Type of switching function	externer Verstärker
Type of electrical connection	Cable
Turn-off delay	0 - 15 s
Readiness delay	15 ms
Max. line length	100 m
Measurement principle	calorimetric
ardSOCA_ElektrischerAnschluss	Cable tail 2m

#### Mechanical features

Type of process connection	G3/4 inch
Pressure resistance	100 bar
Thread length	48 mm
Cable length	2 m
Medium temperature	10 - 120 °C
Measuring range of flow velocity with water	0,01 - 1,5 m/s
Measuring range of flow velocity with oil	0,03 - 3 m/s
Degree of protection (IP)	IP68
Housing material	Stainless steel (V4A)
Material of cable sheath	Plastic (PTFE)
Sensing element material	Stainless steel 1.4571
Ambient temperature	10 - 120 °C

#### Other features

Reference medium / object	Water
ardTE00_Anwendungen	Hydraulic applications

**Classification**

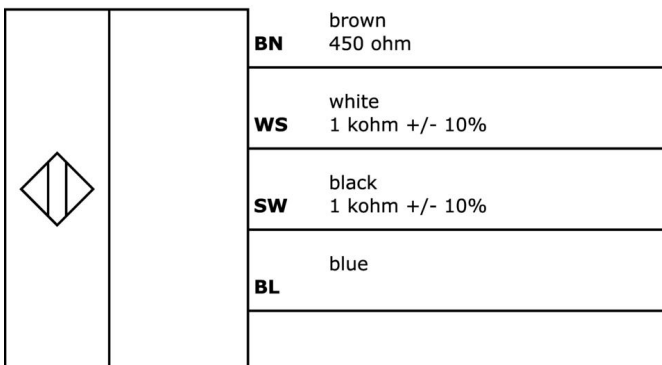
ETIM 8	EC002580 Flow monitoring device
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**More**

IPF Product Group	300 flow sensors
packaging dimensions	143 x 74 x 74 mm
gross weight	330 g
Customs tariff number	90261021
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**

**Connection to amplifier**



**Extract accessories program**

**AY000141**



Plastic sheath, Ø17mm, Inner diameter 10mm, -40-250°C, Glass fiber with silicone rubber, Short-term resistance to weld spatter 1200°C, Tensile strength 400N, Flexible, Flame retardant, yard good

You can find further accessories on our homepage



**Installation**

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



**Disposal**

WEEE number according to § 6 para. 3 ElektroG: 40951076

**Safety warnings**

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

/ Never use these devices in applications where the safety of a person depends on their functionality.