

SV98A369

Flow sensors • Switching amplifiers

amplifier flow, 90x58x18mm, 24V DC, 4-20mA, Clamp, IP20, Plastic, With LED display

including Screwdriver



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.

Electrical features

Number of channels	1
Display	LED display
Type of analog output	4 - 20mA
Type of electrical connection	Clamped terminal connection
No-load current	100 mA
Power consumption	2.4 VA
Switching voltage	24 V
Switching voltage DC	24 V
Operating voltage (DC)	24 V
Amplifier for flow sensors	Yes

Mechanical features

Design	Cuboid
Width	17.5 mm
Height	58 mm
Length	90 mm
Mounting method	Top hat rail
Degree of protection (IP)	IP20
Housing material	Plastic
Ambient temperature	-20 - 60 °C

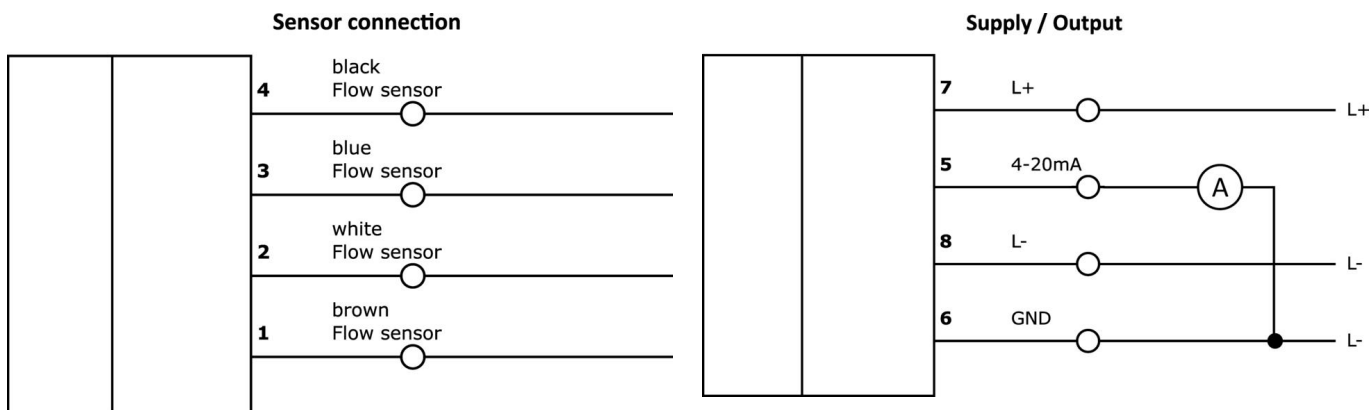
Classification

ETIM 8	EC001485 Isolation amplifier
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More

IPF Product Group	300 flow sensors
packaging dimensions	123 x 77 x 25 mm
gross weight	80 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Extract accessories program

SS896004



sensor flow, Water, Calorimetric,
37mm long, G1/4 inch, Anschluss
an Verstärker, Cable 2m PVC, V4A,
Pressure resistance 100bar

SS896024



sensor flow, Water, Calorimetric,
49mm long, G1/4 inch, Anschluss
an Verstärker, Plug-in connection
M12 4pin, V4A, Pressure
resistance 100bar

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.