

## SS270020

### FLOW SENSORS • SENSORS FOR WATER

sensor flow, Calorimetric, 67x112x27mm, G1/4 inch, 24V DC, 4-20mA, Plug-in connection M12 4pin, Plastic, Pressure resistance 20bar, Manual adjustment



#### MECHANICAL FEATURES

Degree of protection (IP) of evaluation electronics	IP67
Degree of protection (IP) of measuring head	IP67
Depth	112 mm
Design	Cuboid
Height	67 mm
Housing material	Plastic
Length	112 mm
Measuring range of flow volume with water (MAX)	1 l/min
Measuring range of flow volume with water	0.015 l/min ... 80 °C
Pressure resistance	20 bar
Sensing element material	Stainless steel 1.4571
Type of process connection	G1/4 inch
Width	27 mm

#### ELECTRICAL FEATURES

Adjustable responding value for flow for liquids	0.02 m/s ... 1 m/s
Measuring principle of flow	Calorimetric
No-load current	50 mA
Number of pins	4
Operating voltage	24 V ... 24 V
Readiness delay	15 ms
Residual ripple	10 %
Response time	1000 ms
Reverse polarity protection	+
Setting procedure	Manual adjustment
Short-circuit protection	+
Type of analog output	4 mA ... 20 mA
Type of electrical connection	Plug-in connection M12
Voltage type	DC
With LED display	+

#### OTHER FEATURES

Cooling water circuits	+
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## OTHER FEATURES

Suitable for gases -

Suitable for liquids +

## Other

Packaging dimensions 99.0mm x 60mm x 160mm

Shipping weight 0.27kg

Tariff code 90261021

## Classification

ipf product group 300

eClass 8.0 27371815

eClass 9.0 27371815

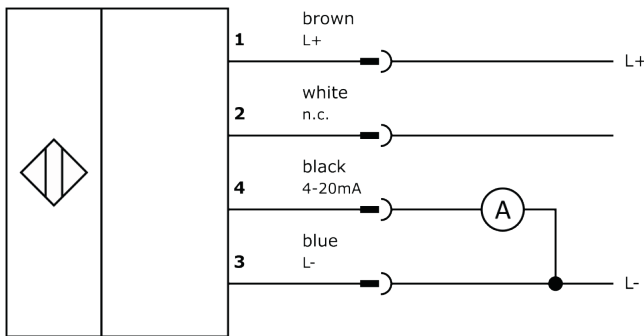
eClass 9.1 27371815

ETIM-5.0 EC002580

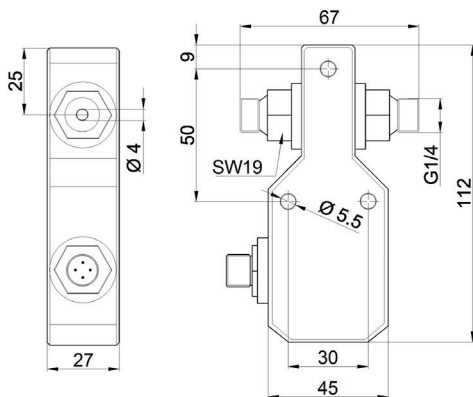
ETIM-6.0 EC002580

ETIM-7.0 EC002580

## Connection



## Dimensional drawing



## Installation



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

## Disposal



## Software

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: [www.ipf-electronic.com](http://www.ipf-electronic.com)

## 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.  
LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.