

## SS450020

### FLOW SENSORS • SENSORS FOR WATER

sensor flow, Calorimetric, 78x108x50mm, G1/2 inch, 24V DC, 4-20mA, Plug-in connection M12 4pin, PA, Pressure resistance 100bar, Manual adjustment



#### MECHANICAL FEATURES

Degree of protection (IP) of evaluation electronics	IP65
Degree of protection (IP) of measuring head	IP65
Depth	108 mm
Design	Cuboid
Height	78 mm
Housing material	PA
Length	108 mm
Measuring range of flow velocity with water (MAX)	3 m/s
Measuring range of flow velocity with water	0.05 m/s ... 80 °C
Pressure resistance	100 bar
Sensing element material	Stainless steel (V4A)
Thread length	48 mm
Type of process connection	G1/2 inch
Width	50 mm

#### ELECTRICAL FEATURES

Adjustable responding value for flow for liquids	0.05 m/s ... 3 m/s
Measuring principle of flow	Calorimetric
No-load current	100 mA
Number of pins	4
Operating voltage	24 V ... 24 V
Pressure resistance of measuring head	100 bar
Rated switching current	4000 mA
Residual ripple	10 %
Response time	13000 ms
Setting procedure	Manual adjustment
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

For hydraulic applications	+
Suitable for gases	-
Suitable for liquids	+

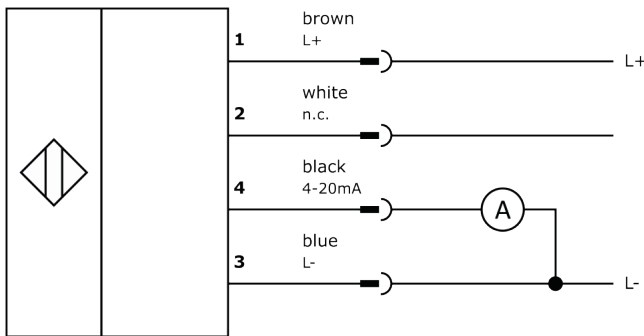
## Other

Packaging dimensions	138.0mm x 95.0mm x 210mm
Shipping weight	0.54kg
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.