

SS450820

FLOW SENSORS • SENSORS FOR WATER

sensor flow, Calorimetric, 78x108x50mm, G1/2 inch, 24V DC, Relay contact NO (NO), Plug-in connection M12 4pin, PA, Pressure resistance 100bar, Manual adjustment



MECHANICAL FEATURES

Degree of protection (IP) of evaluation electronics	IP67
Degree of protection (IP) of measuring head	IP67
Depth	108 mm
Design	Cuboid
Height	78 mm
Housing material	PA
Length	108 mm
Measuring range of flow velocity with water (MAX)	1.5 m/s
Measuring range of flow velocity with water	0.01 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 gases	2 m/s ... 30 m/s
Adjustable responding value for flow for liquids	0.01 m/s ... 3 m/s
Air conditioning / ventilation systems	+
Measuring principle of flow	Calorimetric
No-load current	80 mA
Number of pins	4
Operating voltage	24 V ... 24 V
Pressure resistance of measuring head	100 bar
Rated switching current	2000 mA
Response time	13000 ms
Setting procedure	Manual adjustment
Turn-off delay	15 s
Type of electrical connection	Plug-in connection M12
Type of switching function	Normally open contact (NO)
Type of switching output	Relay contact
Voltage type	DC
With LED display	+

OTHER FEATURES

Cooling water circuits	+
For hydraulic applications	+
For pneumatic applications	+
Suitable for gases	+
Suitable for liquids	+

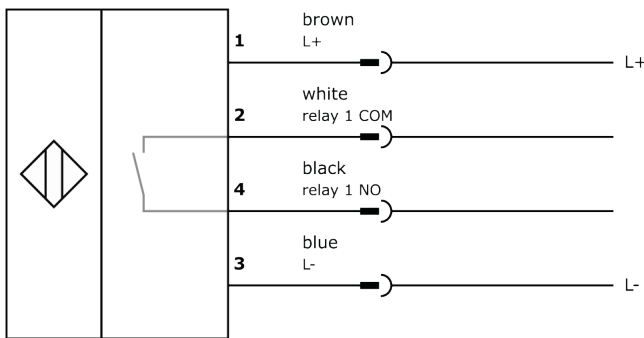
Other

Packaging dimensions	138.0mm x 95.0mm x 210mm
Shipping weight	0.47kg
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

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.