IPF ELECTRONIC

Data sheet SL450824 • Subject to alteration! Version: 08.06.2020

SL450824
FLOW SENSORS • SENSORS FOR AIR

sensor air flow, Calorimetric, 78x108x50mm, G1/2 inch, 24V DC, Relay contact NO (NO), Plug-in connection M12 4pin, PA, Pressure resistance 30bar

MECHANICAL FEATURES

Degree of protection (IP) of evaluation electronics	IP67
Degree of protection (IP) of measuring head	IP67
Design	Cuboid
Height	78 mm
Housing material	PA
Length	108 mm
Measuring range of flow velocity with air	0.5 m/s ... 30 m/s
Medium temperature	-20 °C ... 80 °C
Pressure resistance	30 bar
Thread length	48 mm
Type of process connection	G1/2 inch
Width	50 mm

ELECTRICAL FEATURES

Adjustable responding value for flow for gases	0.5 m/s ... 30 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	30 bar
Readiness delay	90 ms
Response time	30000 ms
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

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

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Other

Packaging dimensions	138.0mm x 95.0mm x 210mm
Shipping weight	0.55kg
Tariff code	90268020

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

1	brown L+		L+
2	white relay 1 COM		
4	black relay 1 NO		
3	blue L-		L-
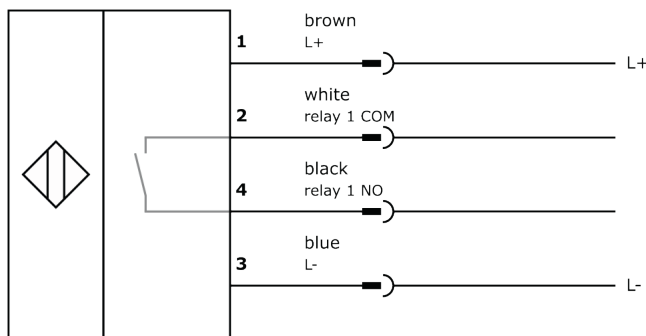
Dimensional drawing

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.