

SL900021

FLOW SENSORS • SENSORS FOR AIR

sensor flow, , Calorimetric, 109x55x135mm, G1/2 inch, 12-36V DC, 1x Relay contact NO (NO), 4-20mA, Plug-in connection M12 5pin, Plastic PC, Pressure resistance 16bar, With display, Parameterization



MECHANICAL FEATURES

| | |
|---|------------------------|
| Ambient temperature for evaluation electronics | -20 °C ... 70 °C |
| Degree of protection (IP) of evaluation electronics | IP65 |
| Design | Cuboid |
| Height | 109.1 mm |
| Housing material | Plastic PC |
| Length | 55 mm |
| Measuring range of flow velocity with air | 0.18 m/s ... 185 m/s |
| Measuring range of flow volume with air | 0 l/min ... 1500 l/min |
| Medium temperature | -30 °C ... 80 °C |
| Pressure resistance | 16 bar |
| Sensing element material | Aluminum |
| Temperature medium | -30 °C ... 80 °C |
| Type of process connection | G1/2 inch |
| Width | 135 mm |

ELECTRICAL FEATURES

| | |
|--|------------------|
| Air conditioning / ventilation systems | + |
| Flow measurement | + |
| Measuring head integrated in device | + |
| Measuring principle of flow | Calorimetric |
| No-load current | 140 mA |
| Number of pins | 5 |
| Number of switching outputs | 1 |
| Operating voltage | 12 V ... 36 V |
| Pressure resistance of measuring head | 16 bar |
| Rated control supply voltage U_s at DC | 12 V ... 36 V |
| Rated switching current | 150 mA |
| Reverse polarity protection | + |
| Setting procedure | Parameterization |
| Short-circuit protection | + |
| Switching voltage | 48 V |
| Transistor output | + |
| Type of analog output | 4 mA ... 20 mA |

ELECTRICAL FEATURES

| | |
|-------------------------------|----------------------------|
| 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 display | + |
| With LED display | - |

OTHER FEATURES

| | |
|----------------------------|----------|
| | IV002153 |
| For pneumatic applications | + |
| Suitable for gases | + |
| Suitable for liquids | - |

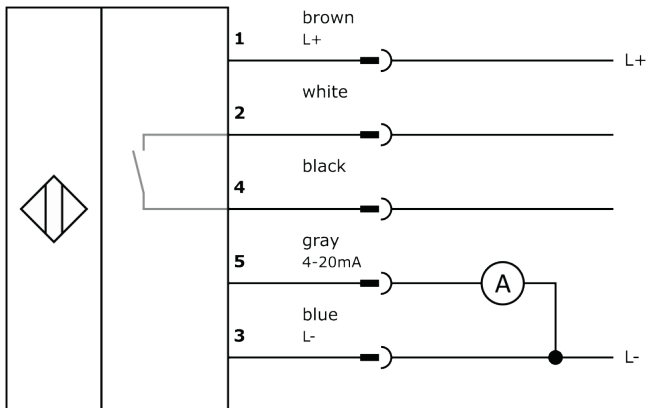
Other

| | |
|----------------------|-------------------------|
| Packaging dimensions | 220mm x 110mm x 235.0mm |
| Shipping weight | 1.47kg |
| Tariff code | 90268020 |

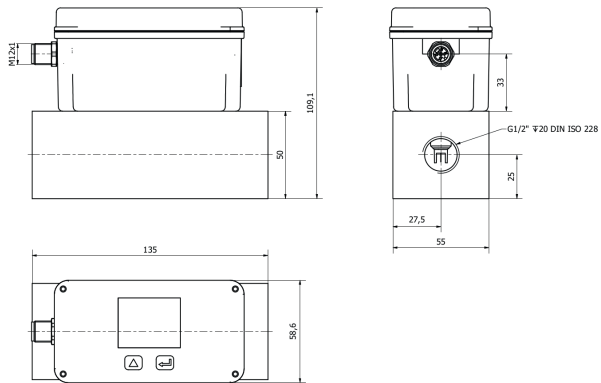
Classification

| | |
|-------------------|----------|
| ipf product group | 725 |
| 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.