SL98E269

FLOW SENSORS • SENSORS FOR AIR

sensor air flow, Calorimetric, G1/2 inch, 18-36V DC, 4-20mA, Screw connection 11pin, Polycarbonate, Pressure resistance 50bar, With display, Parameterization, Ethernet

MECHANICAL FEATURES

Ambient temperature for evaluation electronics	-20 °C ... 80 °C
Degree of protection (IP) of evaluation electronics	IP65
Degree of protection (IP) of measuring head	IP65
Design	Cuboid
Housing material	Polycarbonate
Measuring range of flow velocity with air	0.18 m/s ... 92.7 m/s
Medium temperature	-30 °C ... 180 °C
Pressure resistance	50 bar
Sensing element material	Stainless steel 1.4301
Temperature medium	-30 °C ... 110 °C
Type of process connection	G1/2 inch

ELECTRICAL FEATURES

Air conditioning / ventilation systems	+
Coding of interface connection	X-coded
Flow measurement	+
Measuring head integrated in device	+
Measuring principle of flow	Calorimetric
No-load current	140 mA
Number of pins	11
Number of pins of interface connection	8
Operating voltage	12 V ... 36 V
Rated control supply voltage Us at DC	12 V ... 36 V
Rated switching current	150 mA
Reverse polarity protection	+
Setting procedure	Parameterization
Short-circuit protection	+
Transistor output	+
Type of analog output	4 mA ... 20 mA
Type of electrical connection	Screw connection
Type of interface	Ethernet
Voltage type	DC
With display	+

ELECTRICAL FEATURES

With LED display	+

OTHER FEATURES

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

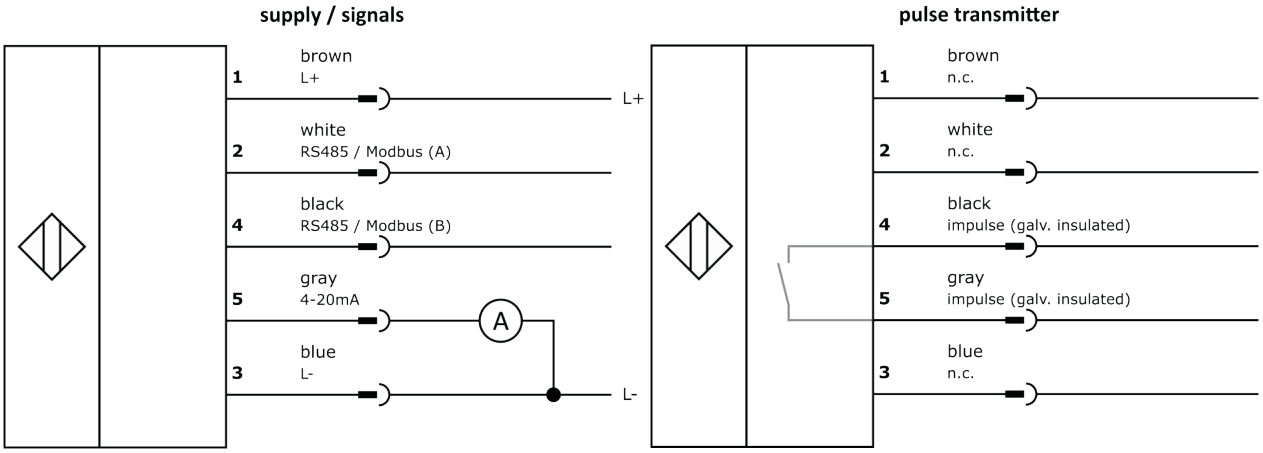
Other

Packaging dimensions	0.0mm x 0.0mm x 0.0mm
Shipping weight	
Tariff code	90268020

Classification

ipf product group	700
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



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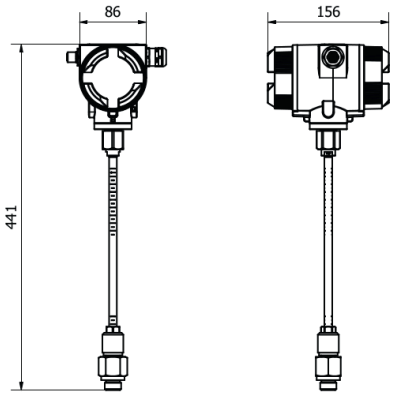
Dimensional drawing



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.