IPF ELECTRONIC

Data sheet SL90A471 • Subject to alteration! Version: 30.04.2020

SL90A471
FLOW SENSORS • SENSORS FOR AIR

sensor air flow, Calorimetric, G 1/2 inch, 0.5-30m/s (Luft), Anschluss an Verstärker, Plug-in connection M12, Stainless steel 1.4305, Pressure resistance 30bar

MECHANICAL FEATURES

	30 m/s
	0.5 m/s
Degree of protection (IP) of evaluation electronics	IP67
Degree of protection (IP) of measuring head	IP67
Housing design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Medium temperature (MAX)	80 °C
Pressure resistance	30 bar
Sensing element material	Stainless steel 1.4305
Thread length	48 mm
Type of process connection	G1/2 inch

ELECTRICAL FEATURES

Adjustable responding value for flow for gases	0.5 m/s ... 30 m/s
Air conditioning / ventilation systems	+
Connection to amplifier	+
Measuring principle of flow	Calorimetric
Pressure resistance of measuring head	30 bar
Readiness delay	90 ms
Response time	30000 ms
Type of electrical connection	Plug-in connection M12

OTHER FEATURES

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

Other

Packaging dimensions	43.0mm x 43.0mm x 105.0mm
Shipping weight	0.14kg
Tariff code	90268020

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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

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.