

SL180100

FLOW SENSORS • SENSORS FOR AIR

sensor air flow, Calorimetric, M18x1 80long, M18 x 1.5, 24V DC, PNP NO (NO), Cable 2m PVC, PBT, Manual adjustment



MECHANICAL FEATURES

Cable length	2 m
Degree of protection (IP) of evaluation electronics	IP67
Degree of protection (IP) of measuring head	IP67
Depth	82 mm
Design	Cylinder, screw-thread
Housing material	PBT
Length	80 mm
Material of cable sheath	PVC
Measuring range of flow velocity with air	0.5 m/s ... 15 m/s
Number of cores	3
Thread length	61 mm
Thread pitch	1 mm
Thread size, metric	18
Type of process connection	M18 x 1.5

ELECTRICAL FEATURES

Adjustable responding value for flow for gases	0.5 m/s ... 15 m/s
Air conditioning / ventilation systems	+
Measuring principle of flow	Calorimetric
No-load current	70 mA
Operating voltage	24 V ... 24 V
Rated switching current	200 mA
Readiness delay	40 ms
Residual ripple	20 %
Response time	2000 ms
Reverse polarity protection	+
Setting procedure	Manual adjustment
Short-circuit protection	+
Type of electrical connection	Cable
Type of switching function	Normally open contact (NO)
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC

ELECTRICAL FEATURES

With LED display +

OTHER FEATURES

Suitable for gases +

Suitable for liquids -

Other

Packaging dimensions 124.0mm x 28.0mm x 149.0mm

Shipping weight 0.18kg

Tariff code 90268020

Classification

ipf product group 300

eClass 8.0 27371815

eClass 9.0 27371815

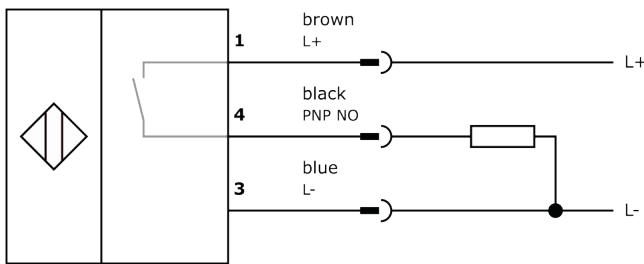
eClass 9.1 27371815

ETIM-5.0 EC002580

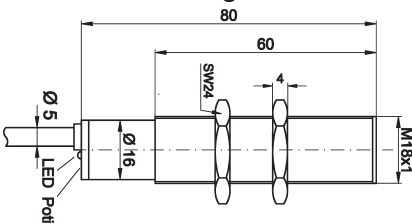
ETIM-6.0 EC002580

ETIM-7.0 EC002580

Connection



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.