

flow sensor

SFAM-90-5000L-M-2SA-M12

Part number: 573346

FESTO

For manifold mounting



Data sheet

Feature	Value
Authorisation	RCM Mark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
KC mark	KC-EMV
Certificate issuing department	UL E322346
Materials note	Conforms to RoHS
Measured variable	Flow rate Consumption
Direction of flow	Unidirectional From left to right
Measuring principle	Thermal
Flow measurement range initial value	50 l/min
Flow measurement range final value	5,000 l/min
Operating pressure	0 ... 16 bar
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Nitrogen
Medium temperature	0 ... 50 °C
Ambient temperature	0 ... 50 °C
Nominal temperature	23 °C
Accuracy of flow rate	± (3% o.m.v. + 0,3% FS)
Repetition accuracy zero point in ± %FS	0.2 %FS
Repetition accuracy margin in ± %FS	0.8 %FS
Temperature co-efficient margin in ± %FS/K	typ. 0,1%FS/K
Pressure dependency margin in ± %FS/bar	0.5 %FS/b.
Switch output	2x PNP or 2x NPN, adjustable
Switching function	Window comparator or threshold value comparator, adjustable
Switching element function	Normally closed contact Normally open contact
Max. output current	100 mA
Analogue output	4 - 20 mA
Characteristic curve for flow rate initial value	0 l/min
Characteristic curve for flow rate final value	5,000 l/min
Output characteristic curve initial value	4 mA
Output characteristic curve final value	20 mA
Max. load resistance, current output	500 Ohm
Short circuit strength	Yes
Operating voltage range DC	15 ... 30 V
Polarity protected	for all electrical connections
Electrical connection	5-pin M12x1 Plug straight
Mounting type	on service unit
Assembly position	Horizontal

Feature	Value
Pneumatic connection	Manifold module
Product weight	1,500 g
Material housing	Aluminium die cast PA-reinforced
Type of display	Illuminated LCD blue
Unit(s) that can be displayed	l l/min m ³ scf scfm
Protection class	IP65
Pressure drop	< 40 mbar
Corrosion resistance classification CRC	2 - Moderate corrosion stress