Air flow sensor
SFAM-62-5000L-M-2SA-M12

Part number: 564938

FESTO

Data sheet

Feature	Value
Type code	SFAM
Certification	RCM compliance mark c UL us - Recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
KC characters	KC EMC
Certificate issuing authority	UL E322346
Note on materials	RoHS-compliant
Measured variable	Flow rate Consumption
Flow direction	Unidirectional From left to right
Measuring principle	Thermal
Flow measuring range start value	50 l/min
Flow measuring range end value	5000 l/min
Operating pressure	0 bar ... 16 bar
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Nitrogen
Temperature of medium	0 °C ... 50 °C
Ambient temperature	0 °C ... 50 °C
Nominal temperature	23 °C
Accuracy of flow rate	± (3% o.m.v. + 0.3% FS)
Zero point repetition accuracy 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 influence of margin in ±%FS/bar	0.5 %FS/b.
Switching output	2x PNP or 2x NPN adjustable
Switching function	Window comparator or threshold value comparator, adjustable
Switching element function	N/C contact N/O contact
Max. output current	100 mA
Analog output	4 - 20 mA
Flow characteristic curve, start value	0 l/min
Flow characteristic curve, end value	5000 l/min
Output characteristic curve initial value	4 mA
End value output characteristic curve	20 mA
Max. load resistance of current output	500 Ohm

Feature	Value
Short-circuit protection	yes
DC operating voltage range	15 V ... 30 V
Reverse polarity protection	for all electrical connections
Electrical connection	5-pin M12x1 Plug, straight
Type of mounting	On service unit
Mounting position	Horizontal
Pneumatic connection	Battery module
Product weight	600 g
Housing material	Die-cast aluminum PA-reinforced
Display type	Illuminated LCD blue
Displayable unit(s)	l l/min m3 scf scfm
Degree of protection	IP65
Pressure drop	‹100 mbar
Corrosion resistance class (CRC)	2 - Moderate corrosion stress