

Air flow sensor SFAM

Part number: 563796

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

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 explosion protection directive (ATEX) As per EU RoHS directive
KC characters	KC EMC
Explosion prevention and protection	Zone 2 (ATEX) Zone 22 (ATEX)
ATEX category gas	II 3G
Type of ignition protection for gas	Ex nA IIC T5 X Gc
ATEX category for dust	II 3D
Type of (ignition) protection for dust	Ex tc IIIB T80°C X Dc IP54
Explosive ambient temperature	0°C ≤ Ta ≤ +50°C
Certificate issuing authority	UL E322346
Note on materials	RoHS-compliant
Measured variable	Flow rate Consumption
Measuring principle	Thermal
Flow measuring range start value	10 l/min
Flow measuring range end value	15000 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

Feature	Value
Analog output	0 - 10 V 4 - 20 mA
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
Mounting position	Horizontal
Pneumatic connection	1 1/2 NPT 1 NPT 1/2 NPT Battery module G1 G1 1/2 G1/2
Housing material	Die-cast aluminum PA-reinforced
Display type	Illuminated LCD blue
Displayable unit(s)	l l/min m ³ scf scfm
Degree of protection	IP65
Corrosion resistance class (CRC)	2 - Moderate corrosion stress