Air flow sensor
SFAM-90-10000L-M-2SA-M12

Part number: 573348



Data sheet

Feature	Value
Type code	SFAM
KC characters	KC EMC
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
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	100 l/min
Flow measuring range end value	10000 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	10000 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	1500 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