

Air flow sensor SFAB-1000U-WQ10-2SA-M12

Part number: 565407

FESTO



Data sheet

Feature	Value
Type code	SFAB
Certification	RCM compliance mark c UL us - Recognized (OL)
CE marking (see declaration of conformity)	As per EU RoHS directive As per EU EMC directive
Certificate issuing authority	UL E322346
Note on materials	RoHS-compliant
Measured variable	Consumption Flow rate
Flow direction	P1 -> P2 Unidirectional
Measuring principle	Thermal
Flow measuring range start value	10 l/min
Flow measuring range end value	1000 l/min
Operating pressure	0 bar ... 10 bar
Operating medium	Nitrogen Compressed air as per ISO 8573-1:2010 [7:4:4]
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
Switching output	2 x PNP or 2 x NPN switchable
Switching function	Window comparator Threshold value comparator
Switching element function	N/O contact N/C contact
Max. output current	≤ 100 mA
Analog output	4 - 20 mA
Flow rate curve start value	0 l/min
Flow rate curve end value	1000 l/min
Output characteristic curve initial value	4 mA
End value output characteristic curve	20 mA
Max. load resistance of current output	500 Ohm
Short-circuit protection	yes
DC operating voltage range	15 V ... 30 V
Reverse polarity protection	for all electrical connections

Feature	Value
Electrical connection	M12x1 Plug, straight 5-pin
Pin allocation in accordance with standards	EN 60947-5-2
Type of mounting	With wall/surface bracket With through-hole Optionally: With H-rail
Mounting position	Any
Pneumatic connection	QS-10
Product weight	600 g
Housing material	PA-reinforced
Display type	Illuminated LCD blue
Displayable unit(s)	l/min scf m ³ l scfm
Degree of protection	IP65
Pressure drop	<100 mbar
Corrosion resistance class (CRC)	2 - Moderate corrosion stress