

Air flow sensor SFAB-50U-WQ6-2SA-M12

Part number: 565391

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	Unidirectional P1 -> P2
Measuring principle	Thermal
Flow measuring range start value	0.5 l/min
Flow measuring range end value	50 l/min
Operating pressure	0 bar ... 10 bar
Operating medium	Compressed air as per ISO 8573-1:2010 [6:4:4] 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
Switching output	2 x PNP or 2 x NPN switchable
Switching function	Window comparator Threshold value comparator
Switching element function	N/C contact N/O contact
Max. output current	≤100 mA
Analog output	4 - 20 mA
Flow rate curve start value	0 l/min
Flow rate curve end value	50 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	Plug, straight M12x1 5-pin
Pin allocation in accordance with standards	EN 60947-5-2
Type of mounting	With wall/surface bracket With H-rail With through-hole Optionally:
Mounting position	Any
Pneumatic connection	QS-6
Product weight	600 g
Housing material	PA-reinforced
Display type	Illuminated LCD blue
Displayable unit(s)	scfm l l/min scf l/h m ³
Degree of protection	IP65
Pressure drop	<100 mbar
Corrosion resistance class (CRC)	2 - Moderate corrosion stress