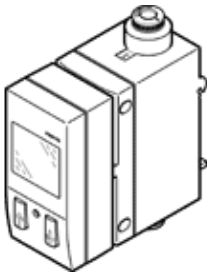


flow sensor SFAB-50U-HQ6-2SA-M12

Part number: 565389

FESTO



Data sheet

Feature	Value
Authorisation	RCM Mark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
Certificate issuing department	UL E322346
Materials note	Conforms to RoHS
Measured variable	Flow rate Consumption
Direction of flow	Unidirectional P1 -> P2
Measuring principle	Thermal
Flow measurement range initial value	0.5 l/min
Flow measurement range final value	50 l/min
Operating pressure	0 ... 10 bar
Operating medium	Compressed air in accordance with ISO8573-1:2010 [6:4:4] Nitrogen
Medium temperature	0 ... 50 °C
Ambient temperature	0 ... 50 °C
Nominal temperature	23 °C
Accuracy of flow rate	+/- (3% o.m.v. + 0,3% FS)
Repetition accuracy zero point in ± %FS	0.2 %FS
Repetition accuracy margin in ± %FS	0.8 %FS
Switch output	2 x PNP or 2 x NPN switchable
Switching function	Window comparator Threshold value comparator
Switching element function	Normally closed contact Normally open contact
Max. output current	≤ 100 mA
Analogue output	4 - 20 mA
Characteristic curve for flow rate initial value	0 l/min
Characteristic curve for flow rate final value	50 l/min
Output characteristic curve initial value	4 mA
Output characteristic curve final value	20 mA
Max. load resistance, current output	500 Ohm
Short circuit strength	Yes
Operating voltage range DC	15 ... 30 V
Polarity protected	for all electrical connections
Electrical connection	Plug straight M12x1 5-pin
Connector pin assignments per standard	EN 60947-5-2
Mounting type	Optional with through hole with top-hat rail

Feature	Value
	with wall/surface fixing
Assembly position	Any
Pneumatic connection	QS-6
Product weight	600 g
Material housing	PA-reinforced
Type of display	Illuminated LCD blue
Unit(s) that can be displayed	l l/h l/min m3 scf scfm
Protection class	IP65
Pressure drop	< 100 mbar
Corrosion resistance classification CRC	2 - Moderate corrosion stress