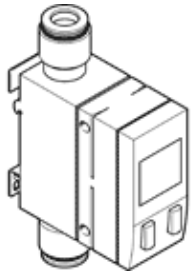
flow sensor
SFAB-1000U-WQ10-2SV-M12

Part number: 565408

FESTO

With rotatable display and integrated QS fittings.



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
KC mark	KC-EMV
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	10 l/min
Flow measurement range final value	1,000 l/min
Operating pressure	0 ... 10 bar
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] 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	0 - 10 V
Characteristic curve for flow rate initial value	0 l/min
Characteristic curve for flow rate final value	1,000 l/min
Output characteristic curve initial value	0 V
Output characteristic curve final value	10 V
Min. load resistance, voltage output	10 kOhm
Short circuit strength	Yes
Operating voltage range DC	15 ... 30 V
Polarity protected	for all electrical connections
Electrical connection	5-pin M12x1 Plug straight
Connector pin assignments per standard	EN 60947-5-2
Mounting type	with through hole with top-hat rail

Feature	Value
	with wall/surface fixing Optional
Assembly position	Any
Pneumatic connection	QS-10
Product weight	600 g
Material housing	PA-reinforced
Type of display	Illuminated LCD blue
Unit(s) that can be displayed	l l/min m3 scf scfm
Protection class	IP65
Pressure drop	< 100 mbar
Corrosion resistance classification CRC	2 - Moderate corrosion stress