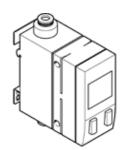
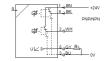
Flow sensor **SFAB-50U-WQ6-2SV-M12** Part number: 565392

FESTO

With rotatable display and integrated QS fittings.





Data sheet

Feature	Value
Authorization	RCM Mark
	c UL us - Recognized (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline
	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
- ·	To UK RoHS instructions
Certificate issuing department	UL E322346
Materials note	Conforms to RoHS
Measured variable	Volume
	Volumetric flow rate
Direction of flow	Unidirectional
	P1 -> P2
Measuring principle	Thermal
Measurement method	Heat Loss
Flow measurement range initial value	0.5 l/min
Flow measurement range final value	50 l/min
Operating pressure MPa	0 1 MPa
Working 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
Temperature co-efficient margin in ± %FS/K	typ. 0,1%FS/K
Pressure dependency margin in ± %FS/bar	0.5 %FS/b.
Switch output	2 x PNP or 2 x NPN switchable
Switching function	Window comparator
	Threshold value comparator
Switching element function	N/C or N/O contact, switchable
Max. output current	100 mA
Analog output	0 - 10 V
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	0 V
Output characteristic curve final value	10 V
Min. load resistance, voltage output	10 kOhm
Short circuit strength	Yes
Overload withstand capability	Available
Operating voltage range DC	15 30 V
Idle current	120 mA
Polarity protected	for all electrical connections



Feature	Value
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	5
Mounting type	with through hole
	with top-hat rail
	with wall/surface fixing
Assembly position	Any
Pneumatic connection	For tubing outside diameter 6 mm
Product weight	160 g
Material housing	PA-reinforced
Type of display	Illuminated LCD, multicolored
Unit(s) that can be displayed	l
	l/h
	l/min
	m3
	scf
	scfm
Setting options	Teach-In
	Via display and buttons
Protection against manipulation	PIN-Code
Protection class	IP65
Pressure drop	⟨ 100 mbar
Safety class	III
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L