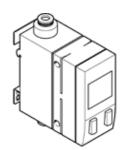
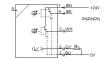
## Flow sensor SFAB-10U-WQ6-2SA-M12 Part number: 565387

**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	0.1 l/min
Flow measurement range final value	10 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	4 - 20 mA
Characteristic curve for flow rate initial value	0 l/min
Characteristic curve for flow rate final value	10 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
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