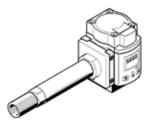
Flow sensor SFAM-62-1000L-TG12-2SV-M12 Part number: 565376

For threaded mounting.



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
JKCA 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
	From left to right
Measuring principle	Thermal
Measurement method	Heat Loss
Flow measurement range initial value	10 l/min
Flow measurement range final value	1,000 l/min
Operating pressure MPa	1.6 MPa
Working pressure	16 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
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 or threshold value comparator, adjustable
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	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
Overload withstand capability	Available
Operating voltage range DC	15 30 V
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101

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Feature	Value	
Electrical connection 1, number of pins/wires	5	
Electrical connection 1, type of mounting	Screw lock	
Max. line length	30 m	
Mounting type	Line installation	
Assembly position	Horizontal	
Pneumatic connection	G1/2	
Product weight	1,100 g	
Material housing	Aluminum die cast	
	PA-reinforced	
Type of display	Illuminated LCD, multicolored	
Unit(s) that can be displayed	l	
	l/min	
	m3	
	scf	
	scfm	
Setting options	Teach-In	
	Via display and buttons	
Protection against manipulation	PIN-Code	
Threshold value setting range	1 100 %	
Hysteresis setting range	0 90 %	
Protection class	IP65	
Pressure drop	< 100 mbar	
Safety class	III.	
Corrosion resistance classification CRC	2 - Moderate corrosion stress	
PWIS conformity	VDMA24364-B1/B2-L	