Flow sensor SFAB-10U-HQ6-2SA-M12 Part number: 565385



Data sheet

	1 BN +24 V
rate = 1	2_WH PNP/NPN 5_GY_RL
	3_BU 0V

General operating condition

Certification RCM compliance mark c UL us - Recognized (OL) CE marking (see declaration of conformity) As per EU RMC directive As per EU RMC directive UKCA marking (see declaration of conformity) To UK instructions for FMC To UK RMS instructions Certificate issuing authority UL E322346 Note on materials RoHS-compliant Measured variable Volume Volumetric flow rate Flow direction Unidirectional P1 > P2 Measuring principle Thermal Method of measurement Heat loss Flow mage rate value 0.1 //min Operating pressure 0 bar 1 MPa Operating pressure 0 bar 1 0 bar Operating pressure 0 sc 50 °C Nubient temperature 23 °C Accuracy of flow rate 4 (3% o.m.w. + 0.3% FS) Zero point repetition accuracy in ± %FS 0.2 %FS Respetition accuracy margin in ± %FS/K typ. 0. 1%FS/K Pressure influence of margin in ± %FS/K 2 x PNP or 2 x NPN switchable Switching output 2 x 2 X PN or 2 x NPN switchable	Feature	Value
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Repetition accuracy margin in ± %FS0.8 %FSTemperature co-efficient margin in ± %FS/Ktyp. 0. 1%FS/KPressure influence of margin in ±%FS/bar0.5 %FS/b.Switching output2 x PNP or 2 x NPN switchableSwitching functionWindow comparator Threshold value comparatorSwitching element functionN/C contact/N/O contact switchableMax. output current100 mAAnalog output4 - 20 mA	Accuracy of flow rate	± (3% o.m.v. + 0.3% FS)
Temperature co-efficient margin in ± %FS/K typ. 0. 1%FS/K Pressure influence of margin in ±%FS/bar 0.5 %FS/b. Switching output 2 x PNP or 2 x NPN switchable Switching function Window comparator Threshold value comparator Switching element function N/C contact/N/O contact switchable Max. output current 100 mA Analog output 4 - 20 mA	Zero point repetition accuracy in ± %FS	0.2 %FS
Pressure influence of margin in ±%FS/bar 0.5 %FS/b. Switching output 2 x PNP or 2 x NPN switchable Switching function Window comparator Switching element function N/C contact/N/O contact switchable Max. output current 100 mA Analog output 4 - 20 mA	Repetition accuracy margin in ± %FS	0.8 %FS
Switching output 2 x PNP or 2 x NPN switchable Switching function Window comparator Threshold value comparator Switching element function N/C contact /N/O contact switchable Max. output current 100 mA Analog output 4 - 20 mA	Temperature co-efficient margin in ± %FS/K	typ. 0. 1%FS/K
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Threshold value comparator Switching element function N/C contact/N/O contact switchable Max. output current 100 mA Analog output 4 - 20 mA	Switching output	2 x PNP or 2 x NPN switchable
Max. output current 100 mA Analog output 4 - 20 mA	Switching function	
Analog output 4 - 20 mA	Switching element function	N/C contact/N/O contact switchable
	Max. output current	100 mA
Flow characteristic curve, start value 0 l/min	Analog output	4 - 20 mA
	Flow characteristic curve, start value	0 l/min

Feature	Value
Flow characteristic curve, end value	10 l/min
Output characteristic curve initial value	4 mA
End value output characteristic curve	20 mA
Max. load resistance of current output	500 Ohm
Short-circuit protection	yes
Overload protection	Available
DC operating voltage range	15 V 30 V
Idle current	120 mA
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	5
Electrical connection for input 1, connection pattern	00995383
Type of mounting	With through-hole With H-rail
Mounting position	Any
Pneumatic connection	For pneumatic tubing outside diameter 6 mm
Product weight	160 g
Housing material	PA-reinforced
Display type	Illuminated LCD, multi-color
Displayable unit(s)	l l/h l/min m3 scf scfm
Setting options	Teach-in Via display and pushbuttons
Protection against tampering	PIN code
Degree of protection	IP65
Pressure drop	<100 mbar
Protection class	III
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L