

流量感測器

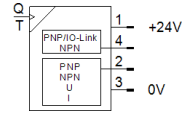
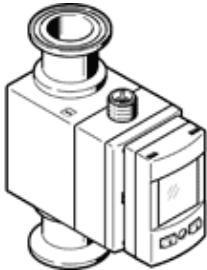
SFAW-100T-CS520-E-PNLK-PNVBA-M12

料號: 8036886
將停止供貨的產品

FESTO

For measuring and monitoring flow rate, volume and temperature of liquid media, flow measuring range 100l/min.

Type to be discontinued. Available until 2022. See Support Portal for alternative products.



技術參數

特性	值
授權	RCM Mark c UL us - Listed (OL)
CE 符號 (參見符合的標準)	根據 EU-EMV 指導原則 in accordance with EU RoHS directive
KC mark	KC-EMV
材料備註	符合 RoHS
測量變量	流量 Temperature
流量方向	具有單向性 P1 -> P2
測量方式	Flow: vortex Temperature: PT1000
流量測量範圍初始值	5 l/min
流量測量範圍最終值	100 l/min
Temperature measuring range starting value	0 °C
Temperature measuring range end value	90 °C
操作壓力	0 ... 12 bar
操作壓力注意事項	Max. 12 bar at 40°C Max. 6 bar at 100°C
操作介質	流體介質 水 中性液體
注意: 操作和嚮導介質	It must be ensured that the operating medium is compatible with the materials with which it is in contact.
介質溫度	0 ... 90 °C
環境溫度	0 ... 50 °C
額定溫度	23 °C
流量精度	±2% FS for flow rate ≤ 50% FS ±3% of measured value for flow rate ≥ 50% FS
Accuracy of temperature in ± °C	2 °C
Repetition accuracy of flow rate value	< ±0.5% FS for flow rate ≤ 50% FS < ±1% of measured value for flow rate ≥ 50% FS
溫度係數幅度在 ± %FS/K	typ. ±0,05%FS/K
開關輸出	2 x PNP 或 2 x NPN 可切換
切換功能	視窗比較器 閾值比較器 自由編程
切換元件功能	N/C 或 N/O 接點, 可切換
最大輸出電流	100 mA
類比輸出	0 - 10 V 4 - 20 mA

特性	值
	1 - 5 V
流量初始值的特性曲線	0 l/min
流量最終值的特性曲線	100 l/min
Temperature characteristic curve starting value	0 °C
Temperature characteristic curve end value	100 °C
最大負載電阻, 電流輸出	500 Ohm
最小負載電阻, 電壓輸出	15 kOhm
短路強度	是
過載承受能力	已可供應
通訊協定	IO-Link
IO-Link, protocol	Device V 1.1
IO-Link, profile	Smart sensor profile
IO-Link, function classes	Binary Data Channels (BDC) Process Data Variable (PDV) Identification 診斷 Teach channel
IO-Link, 通訊模式	COM2 (38,4 kBaud)
IO-Link, SIO mode support	是
IO-Link, 接口類型	A
IO-Link, process data width OUT	0 Byte
IO-Link, process data width IN	5 Byte
IO-Link, process data content IN	1 bit BDC (temperature monitoring) 1 bit BDC (volume monitoring) 14 bit PDV (flow measured value) 14 bit PDV (temperature measured value) 2 bit BDC (flow monitoring)
IO-Link, Service data contents IN	32-bit measured volume value
IO-Link, 最小周期時間	5 ms
IO-Link, data memory required	0.5 Kilobyte
工作電壓範圍 DC	18 ... 30 V
極性保護	用於所有電接口
電氣連接	5-pin A-coded M12x1 直式插頭
最大行列長度	20 m with IO-Link operation 30 m
裝配位置	任何
Fluid connection	Clamped terminal connection DIN 32676 DN20
產品重量	280 g
Material housing	PA-加強
材料與介質接觸	EPDM (perox.) ETFE 不鏽鋼 PA6T/6I reinforced
可以被顯示的單元	US gal US gal/min cft cft/min l l/h l/min m3 °C °F
防護等級	IP65
耐腐蝕等級 CRC	3 - High corrosion stress