

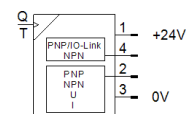
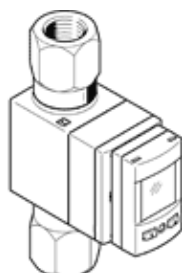
# 流量感測器

## SFAW-100T-TG1-E-PNLK-PNVBA-M12

料號: 8036878

FESTO

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



### 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
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
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
Operating pressure MPa	0 ... 1.2 MPa
操作壓力	0 ... 12 bar
操作壓力注意事項	Max. 1.2 MPa (12 bar / 174 psi) at 40 °C Max. 0.6 MPa (6 bar / 87 psi) at 90 °C
Overload pressure	4 MPa
過載壓力	40 bar
Overload pressure (psi)	580 psi
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

特性	值
最大輸出電流	100 mA
類比輸出	0 - 10 V 4 - 20 mA 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
Electrical connection 1, connection type	插頭
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	5
Electrical connection 1, type of mounting	Screw lock
最大行列長度	20 m with IO-Link operation 30 m
裝配位置	任何
Fluid connection	內螺紋 G1
產品重量	400 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

特性	値
PWIS conformity	VDMA24364-B2-L