

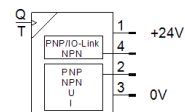
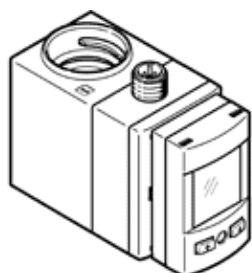
Senzor protoka

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

Broj artikla: 8036890

FESTO

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



Tehnički podaci

Svojstvo	Vrednost
Dozvola	RCM Mark c UL us - Listed (OL)
CE znak (vidi izjavu o usklađenosti)	prema EU-EMV-smernici in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Materijal - napomena	RoHS komfornost
Merna veličina	Protok Temperature
Smer protoka	jednosmerno P1 -> P2
Postupak merenja	Flow: vortex Temperature: PT1000
Merno područje protoka, početna vrednost	5 l/min
Merno područje protoka, krajnja vrednost	100 l/min
Temperature measuring range starting value	0 °C
Temperature measuring range end value	90 °C
Operating pressure MPa	0 ... 1,2 MPa
Pogonski pritisak	0 ... 12 bar
Napomena za pogonski pritisak	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
Pritisak preopterećenja	40 bar
Overload pressure (psi)	580 psi
Pogonski medijum	Tečni mediji Voda neutralne tečnosti
Napomena o mediju pogona i upravljanja	It must be ensured that the operating medium is compatible with the materials with which it is in contact.
Temperatura medijuma	0 ... 90 °C
Temperatura okoline	0 ... 50 °C
Nazivna temperatura	23 °C
Tačnost protoka	±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
Raspon temperaturnog koeficenta u ± %FS/K	typ. ±0,05%FS/K
Digitalni izlaz	2 x PNP ili 2 x NPN preklopivo
Sklopna funkcija	Komparator prozora Komparator vrednosti praga slobodno se programira
Funkcija sklopnog elementa	Mirni/radni kontakt, preklopiv

Svojstvo	Vrednost
Maks. izlazna struja	100 mA
Analogni izlaz	0 - 10 V 4 - 20 mA 1 - 5 V
Karakteristika protoka, početna vrednost	0 l/min
Karakteristika protoka, krajnja vrednost	100 l/min
Temperature characteristic curve starting value	0 °C
Temperature characteristic curve end value	100 °C
Maks. otpor opterećenja, strujni izlaz	500 Ohm
Min. otpor potrosaca, naponski izlaz	15 kOhm
Otpornost na kratak spoj	Da
Otpornost na preopterećenje	postoji
Protokol	IO-Link
IO spoj, protokol	Device V 1.1
IO-Link, Profil	Smart sensor profile
IO spoj, funkcijska klasa	Binary Data Channels (BDC) Process Data Variable (PDV) Identifikacija Dijagnoza Teach channel
IO spoj, modus komunikacije	COM2 (38,4 kBaud)
IO-Link, SIO mode support	Da
IO spoj, tip porta	A
IO spoj, širina procesnih podataka OUT	0 Byte
IO spoj, širina procesnih podataka IN	5 Byte
IO spoj, sadržaj procesnih podataka 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 spoj, minimalno vreme ciklusa	5 ms
IO-Link, data memory required	0,5 Kilobyte
Područje pogonskog napona DC	18 ... 30 V
Zaštita od zamene polova	za sve električne priključke
Electrical connection 1, connection type	Utikači
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
Maks. dužina voda	20 m with IO-Link operation 30 m
Položaj ugradnje	proizvoljno
Fluid connection	User connection
Težina proizvoda	140 g
Material housing	PA ojačan
materijali u dodiru sa medijumom	EPDM (perox.) ETFE Nerđajući čelik PA6T/6I reinforced
Jedinica(e) koja(e) se može(gu) prikazati	US gal US gal/min cft cft/min l l/h l/min m3 °C °F
Mehanička zaštita	IP65
Klasa korozione otpornosti KBK	3 - High corrosion stress

Svojstvo	Vrednost
PWIS conformity	VDMA24364-B2-L