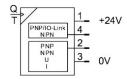
Flow sensor SFAW-32T-TG34-E-PNLK-PNVBA-M12

FESTO

Part number: 8036874





Data sheet

Feature	Value
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Note on materials	RoHS-compliant
Measured variable	Flow rate Temperature
Flow direction	Unidirectional P1 -> P2
Method of measurement	Flow rate: vortex Temperature: PT1000
Flow measuring range start value	1.8 l/min
Flow measuring range end value	32 l/min
Temperature measuring range start value	0 ℃
Temperature measuring range end value	90 ℃
Operating pressure	0 MPa1.2 MPa 0 bar12 bar 0 psi174 psi
Information on operating pressure	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 40 bar 580 psi
Operating medium	Liquid media Water Neutral liquids
Information on operating and pilot media	Media with a kinematic viscosity = 1.8 mm ² /sec. [cSt]. Compatibility of the media with the substances that come into contact with the media must be ensured.
Temperature of medium	0 ℃90 ℃
Ambient temperature	0 ℃50 ℃
Nominal temperature	23 ℃
Accuracy of flow rate	±2 %FS for flow rate <= 50 %FS ±3% of measured value for flow rate >= 50 %FS

Repetition accuracy of flow rate value <a.9.5 %="" <="" flow="" for="" rate="" sf=""> 50 % SF <a.1% flow="" for="" measured="" of="" rate="" value=""> = 50 % FS Temperature co-efficient margin in ± % FS/K Witching output 2 x PRP or 2 x PRN switchable Switching function Window comparator Threshold value comparator 100 mA Analogo output 0 - 10 V 4 - 20 mA 1 - 5 V Flow characteristic curve, start value 0 0 fc Temperature characteristic curve value 10 yein Temperature characteristic curve value 10 of C Max. boad resistance of current output 500 Obro Max. boad resistance of voltage output 15 kOhm Min. load resistance of voltage output 15 kOhm Min. load resistance of voltage output 15 kOhm Short-circuit protection Veres Overload protection Potocol 10-Link®, protocol version 10-Link®, protocol</a.1%></a.9.5>	Repetition accuracy of flow rate value <pre> <pre> <pre> <pre> <pre></pre></pre></pre></pre></pre>	of measured value for flow rate >= 50 %FS .05% FS/K P or 2 x NPN switchable v comparator old value comparator orogrammable ntact/N/O contact switchable A // mA
4 1% of measured value for flow rate >= 50 % FS	Temperature co-efficient margin in ± %FS/K Switching output Switching function Wind Thres Freely Switching element function Max. output current Analog output O - 10 4 - 20 1 - 5 S Flow characteristic curve, start value Flow characteristic curve, end value Temperature characteristic curve end value Temperature characteristic curve end value Max. load resistance of current output Min. load resistance of voltage output 500 C Min. load resistance of voltage output 500 C Short-circuit protection Ves Overload protection Protocol IO-Link®, profile IO-Link®, profile IO-Link®, function classes Binar Proce Io-Link®, function classes Binar Proce Io-Link®, process data width OUT O Byt IO-Link®, process data width IN S Byt IO-Link®, process data content IN 1 bit I	of measured value for flow rate >= 50 %FS .05% FS/K P or 2 x NPN switchable v comparator old value comparator orogrammable ntact/N/O contact switchable A // mA
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Mounting position Any	Mounting position Any	A-coded as per EN 61076-2-101 Type lock stable tible with rotatable screw-type lock
Fluid connector Internal thread G3/4	Fluid connector Intern	A-coded as per EN 61076-2-101 Type lock stable tible with rotatable screw-type lock
Product weight 530 g	Product weight 530 g	A-coded as per EN 61076-2-101 Eype lock atable tible with rotatable screw-type lock or IO-Link® operation
Housing material PA-reinforced	Housing material PA-rei	A-coded as per EN 61076-2-101 Eype lock atable tible with rotatable screw-type lock or IO-Link® operation

Feature	Value
Materials in contact with the media	EPDM (peroxide) ETFE Stainless steel PA6T/6I-reinforced
Displayable unit(s)	US gal
Degree of protection	IP65
Corrosion resistance class (CRC)	3 - High corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L