Flow transmitter
SFTE-5U-M5F-B-2.5K
Part number: 8058512

FESTO
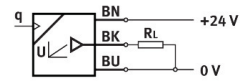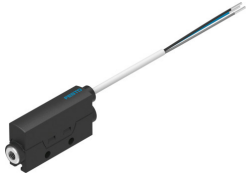
Data sheet

Feature	Value
Certification	RCM compliance mark
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
KC characters	KC EMC
Note on materials	RoHS-compliant
Measured variable	Mass flow rate Volumetric flow rate
Flow direction	Unidirectional
Measuring principle	Thermal
Method of measurement	Heat loss
Flow rate detection range, start value	0 l/min
Flow rate detection range, end value	5 l/min
Operating pressure	-0.9 bar...10 bar
Operating medium	Compressed air as per ISO 8573-1:2010 [6:4:4] Nitrogen
Temperature of medium	0 °C...50 °C
Ambient temperature	0 °C...50 °C
Nominal temperature	23 °C
Repetition accuracy in ± %FS	1 %FS
Analog output	1 - 5 V
Rise time	3 ms
Min. load resistance of voltage output	20 kOhm
Short-circuit protection	yes
Overload protection	Available
DC operating voltage range	22 V...26 V
Idle current	17 mA
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Cable
Electrical connection 1, connection technology	Open end
Electrical connection 1, number of pins/wires	3

Feature	Value
Cable length	2.5 m
Material of cable sheath	TPE-U(PUR)
Type of mounting	Line installation With through-hole With accessories
Mounting position	Any
Pneumatic connection	Internal thread M5
Product weight	37 g
Housing material	PA-reinforced
Degree of protection	IP40
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Product corresponds to Festo's internal product definition for use in battery production:Metals with more than 1% by mass of copper, zinc or nickel are excluded from use.The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 4 according to ISO 14644-1