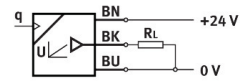
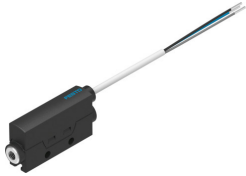


# Flow transmitter SFTE-1U-M5F-B-2.5K

Part number: 8058510

**FESTO**



 General operating condition

## Data sheet

| Feature                                              | Value                                                       |
|------------------------------------------------------|-------------------------------------------------------------|
| Symbol                                               | 00991853                                                    |
| Approval                                             | RCM trademark                                               |
| CE mark (see declaration of conformity)              | To EU EMC Directive<br>In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity)         | To UK instructions for EMC<br>To UK RoHS instructions       |
| KC mark                                              | KC-EMV                                                      |
| Note on materials                                    | RoHS-compliant                                              |
| Measured variable                                    | Mass flow rate<br>Volumetric flow rate                      |
| Flow direction                                       | Unidirectional                                              |
| Measuring principle                                  | Thermal                                                     |
| Measurement method                                   | Heat Loss                                                   |
| Start value for flow rate sensing range              | 0 l/min                                                     |
| End value for flow rate sensing range                | 1 l/min                                                     |
| Operating pressure                                   | -0.9 bar ... 10 bar                                         |
| Operating medium                                     | Compressed air to ISO 8573-1:2010 [6:4:4]<br>Nitrogen       |
| Media temperature                                    | 0 °C ... 50 °C                                              |
| Ambient temperature                                  | 0 °C ... 50 °C                                              |
| Nominal temperature                                  | 23 °C                                                       |
| Repetition accuracy in ± %FS                         | 1 %FS                                                       |
| Analogue output                                      | 1 - 5 V                                                     |
| Rise time                                            | 3 ms                                                        |
| Min. load resistance voltage output                  | 20 kOhm                                                     |
| Short circuit current rating                         | yes                                                         |
| Overload protection                                  | Available                                                   |
| Operational voltage range DC                         | 22 V ... 26 V                                               |
| No-load supply current                               | ≤17 mA                                                      |
| Reverse polarity protection                          | For all electrical connections                              |
| Electrical connection 1, connection type             | Cable                                                       |
| Electrical connection 1, connector system            | Open end                                                    |
| Electrical connection 1, number of connections/cores | 3                                                           |
| Cable length                                         | 2.5 m                                                       |
| Material cable sheath                                | TPE-U(PUR)                                                  |

| Feature                                            | Value                                                                                                                                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of mounting                                   | In-line installation<br>With through-hole<br>With accessories                                                                                                |
| Mounting position                                  | optional                                                                                                                                                     |
| Pneumatic connection                               | Female thread M5                                                                                                                                             |
| Product weight                                     | 37 g                                                                                                                                                         |
| Material housing                                   | 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 | Suitable for battery production according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/<br>Zn/Ni |
| Cleanroom class                                    | Class 4 according to ISO 14644-1                                                                                                                             |