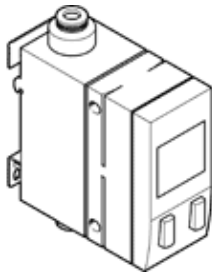


# flow sensor SFAB-10U-WQ6-2SA-M12

Part number: 565387

FESTO

With rotatable display and integrated QS fittings.



## Data sheet

| Feature  | Value  |
|--|--|
| Authorisation                                    | RCM Mark<br>c UL us - Recognized (OL)                                |
| CE mark (see declaration of conformity)          | to EU directive for EMC<br>in accordance with EU RoHS directive      |
| KC mark  | KC-EMV   |
| Certificate issuing department                   | UL E322346   |
| Materials note                                   | Conforms to RoHS   |
| Measured variable                                | Flow rate<br>Consumption   |
| Direction of flow                                | Unidirectional<br>P1 -> P2   |
| Measuring principle                              | Thermal  |
| Flow measurement range initial value             | 0.1 l/min  |
| Flow measurement range final value               | 10 l/min   |
| Operating pressure                               | 0 ... 10 bar   |
| Operating medium                                 | Compressed air in accordance with ISO8573-1:2010 [6:4:4]<br>Nitrogen |
| Medium temperature                               | 0 ... 50 °C  |
| Ambient temperature                              | 0 ... 50 °C  |
| Nominal temperature                              | 23 °C  |
| Accuracy of flow rate                            | ± (3% o.m.v. + 0,3% FS)  |
| Repetition accuracy zero point in ± %FS          | 0.2 %FS  |
| Repetition accuracy margin in ± %FS              | 0.8 %FS  |
| Switch output                                    | 2 x PNP or 2 x NPN switchable  |
| Switching function                               | Window comparator<br>Threshold value comparator                      |
| Switching element function                       | Normally closed contact<br>Normally open contact                     |
| Max. output current                              | ≤ 100 mA   |
| Analogue output                                  | 4 - 20 mA  |
| Characteristic curve for flow rate initial value | 0 l/min  |
| Characteristic curve for flow rate final value   | 10 l/min   |
| Output characteristic curve initial value        | 4 mA   |
| Output characteristic curve final value          | 20 mA  |
| Max. load resistance, current output             | 500 Ohm  |
| Short circuit strength                           | Yes  |
| Operating voltage range DC                       | 15 ... 30 V  |
| Polarity protected                               | for all electrical connections                                       |
| Electrical connection                            | 5-pin<br>M12x1<br>Plug straight                                      |
| Connector pin assignments per standard           | EN 60947-5-2   |
| Mounting type                                    | with through hole<br>with top-hat rail                               |

| Feature                                 | Value  |
|---|--|
|   | with wall/surface fixing<br>Optional               |
| Assembly position                       | Any  |
| Pneumatic connection                    | QS-6   |
| Product weight                          | 600 g  |
| Material housing                        | PA-reinforced                                      |
| Type of display                         | Illuminated LCD blue                               |
| Unit(s) that can be displayed           | l<br>l/h<br>l/min<br>m <sup>3</sup><br>scf<br>scfm |
| Protection class                        | IP65   |
| Pressure drop                           | < 100 mbar   |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress                      |