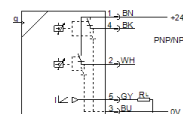
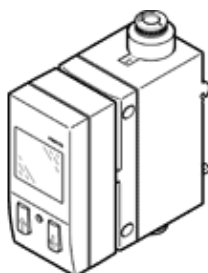


Flow sensor SFAB-50U-HQ6-2SA-M12

Part number: 565389

FESTO

With rotatable display and integrated QS fittings.



Data sheet

| Feature | Value |
|--|---|
| Authorization | RCM Mark c UL us - Recognized (OL) |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Certificate issuing department | UL E322346 |
| Materials note | Conforms to RoHS |
| Measured variable | Volume Volumetric flow rate |
| Direction of flow | Unidirectional P1 -> P2 |
| Measuring principle | Thermal |
| Measurement method | Heat Loss |
| Flow measurement range initial value | 0.5 l/min |
| Flow measurement range final value | 50 l/min |
| Operating pressure MPa | 0 ... 1 MPa |
| Working pressure | 0 ... 10 bar |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [6:4:4] 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 |
| Temperature co-efficient margin in ± %FS/K | typ. 0,1%FS/K |
| Pressure dependency margin in ± %FS/bar | 0.5 %FS/b. |
| Switch output | 2 x PNP or 2 x NPN switchable |
| Switching function | Window comparator Threshold value comparator |
| Switching element function | N/C or N/O contact, switchable |
| Max. output current | 100 mA |
| Analog output | 4 - 20 mA |
| Characteristic curve for flow rate initial value | 0 l/min |
| Characteristic curve for flow rate final value | 50 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 |
| Overload withstand capability | Available |
| Operating voltage range DC | 15 ... 30 V |
| Idle current | 120 mA |
| Polarity protected | for all electrical connections |

| Feature | Value |
|--|--|
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, connection technology | M12x1, A-coded in accordance with EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 5 |
| Mounting type | with through hole with top-hat rail |
| Assembly position | Any |
| Pneumatic connection | For tubing outside diameter 6 mm |
| Product weight | 160 g |
| Material housing | PA-reinforced |
| Type of display | Illuminated LCD, multicolored |
| Unit(s) that can be displayed | l l/h l/min m ³ scf scfm |
| Setting options | Teach-In Via display and buttons |
| Protection against manipulation | PIN-Code |
| Protection class | IP65 |
| Pressure drop | < 100 mbar |
| Safety class | III |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B1/B2-L |