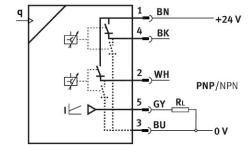


Flow sensor SFAM-62-3000L-TG12-2SA-M12

Part number: 565379

FESTO



General operating condition

Data sheet

| Feature | Value |
|--|---|
| Symbol | 00997566 |
| Certification | RCM compliance mark c UL us - recognized (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 RoHS instructions |
| Certificate issuing authority | UL E322346 |
| Note on materials | RoHS compliant |
| Measured variable | Volume Volumetric flow rate |
| Flow direction | Unidirectional From left to right |
| Measuring principle | Thermal |
| Method of measurement | Heat loss |
| Flow measuring range start value | 30 l/min |
| Flow measuring range end value | 3000 l/min |
| Operating pressure | 1.6 MPa |
| Operating pressure | 16 bar |
| Operating pressure | 232 psi |
| Overload pressure | 2 MPa |
| Overload pressure | 20 bar |
| Overload pressure | 290 psi |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] Nitrogen |
| Temperature of medium | 0 °C ... 50 °C |
| Ambient temperature | 0 °C ... 50 °C |
| Nominal temperature | 23 °C |
| Accuracy of flow rate | ±(3% o.m.v. + 0.3% FS) |
| Zero point repetition accuracy 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 influence of margin in ±%FS/bar | 0.5 %FS/b. |
| Switching output | 2 x PNP or 2 x NPN switchable |
| Switching function | Window comparator or threshold value comparator, adjustable |
| Switching element function | N/C contact/N/O contact, switchable |
| Max. output current | 100 mA |
| Analog output | 4 - 20 mA |

| Feature | Value |
|---|---|
| Flow characteristic curve, start value | 0 l/min |
| Flow characteristic curve, end value | 3000 l/min |
| Output characteristic curve initial value | 4 mA |
| End value output characteristic curve | 20 mA |
| Max. load resistance of current output | 500 Ohm |
| Short-circuit protection | Yes |
| Overload protection | Available |
| DC operating voltage range | 15 V ... 30 V |
| Reverse polarity protection | for all electrical connections |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, connection technology | M12x1 A-coded as per EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 5 |
| Electrical connection 1, type of mounting | Screw-type lock |
| Electrical connection 1, type of mounting | Compatible with rotatable screw-type lock |
| Electrical connection for input 1, connection pattern | 00995383 |
| Max. cable length | 30 m |
| Type of mounting | In-line installation |
| Mounting position | Horizontal |
| Pneumatic connection | G1/2 |
| Product weight | 1100 g |
| Housing material | Die-cast aluminum PA-reinforced |
| Display type | Multi-color backlit LCD |
| Displayable unit(s) | l l/min m ³ scf scfm |
| Setting options | Teach-in Via display and keys |
| Protection against tampering | PIN code |
| Setting range threshold value | 1 % ... 100 % |
| Setting range hysteresis | 0 % ... 90 % |
| Degree of protection | IP65 |
| Pressure drop | <100 mbar |
| Protection class | III |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |