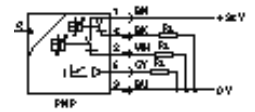


Flow sensor MS6-SFE-F5-P2I-M12

Part number: 538421

FESTO

Blockable with MS6 service unit.



Data sheet

| Feature | Value |
|---|---|
| CE mark (see declaration of conformity) | to EU directive for EMC |
| Measured variable | Flow rate Consumption |
| Direction of flow | Unidirectional P1 -> P2 |
| Measuring principle | Thermal |
| Measurement method | Heat Loss |
| Flow rate measuring range | 200 ... 5,000 l/min |
| Flow measurement range initial value | 200 l/min |
| Flow measurement range final value | 5,000 l/min |
| Operating pressure | 0 ... 16 bar |
| Ambient temperature | 0 ... 50 °C |
| Medium temperature | 0 ... 50 °C |
| Nominal temperature | 23 °C |
| Operating medium | Air quality class 5:4:3 as per DIN ISO 8573-1 Nitrogen |
| Accuracy | +/- (3% o.m.v. + 0,3% FS) |
| Reproducibility of switching value | +/- (0,8% o.m.v. + 0,2% FS) |
| Reproducibility of the analogue value | +/- (0,8% o.m.v. + 0,2% FS) |
| Switch output | 2xPNP |
| Switching function | Window comparator Threshold value with variable hysteresis |
| Switching element function | Normally closed contact Normally open contact |
| Max. output current | ≤ 100 mA |
| Residual current | ≤ 0.05 mA |
| Analogue output | 4 - 20 mA |
| Load resistance | ≤ 500 Ohm |
| Short circuit strength | Yes |
| Operating voltage range DC | 15 ... 30 V |
| Electrical connection | Plug straight M12x1 5-pin |
| Connector pin assignments per standard | EN 60947-5-2 |
| Mounting type | on service unit |
| Assembly position | Horizontal |
| Pneumatic connection | Sub-base |
| Product weight | 600 g |
| Type of display | Display optimised illuminated LCD |
| Unit(s) that can be displayed | l l/min m3 |
| Protection class | IP65 |
| Corrosion resistance classification CRC | 2 |