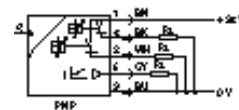


# Flow sensor MS6-SFE-F5-P2I-M12

Part number: 538421

FESTO

Blockable with MS6 service unit.



## Data sheet

| Feature                                   | Value   |
|---|---|
| CE symbol (see declaration of conformity) | according to EU-EMV guideline                                 |
| Measured variable                         | Flow rate<br>Consumption                                      |
| Direction of flow                         | Unidirectional<br>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   |
| Working 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<br>Nitrogen     |
| Accuracy                                  | +/- (3% o.m.v. + 0,3% FS)                                     |
| Reproducibility of switching value        | +/- (0,8% o.m.v. + 0,2% FS)                                   |
| Reproducibility of the analog value       | +/- (0,8% o.m.v. + 0,2% FS)                                   |
| Switch output                             | 2xPNP   |
| Switching function                        | Window comparator<br>Threshold value with variable hysteresis |
| Switching element function                | Normally closed contact<br>Normally open contact              |
| Max. output current                       | ≤ 100 mA  |
| Residual current                          | ≤ 0.05 mA   |
| Analog output                             | 4 - 20 mA   |
| Load resistance                           | ≤ 500 Ohm   |
| Short circuit strength                    | Yes   |
| Operating voltage range DC                | 15 ... 30 V   |
| Electrical connection                     | Plug straight<br>M12x1<br>5-pin                               |
| Connector pin assignments per standard    | EN 60947-5-2  |
| Mounting type                             | on service unit   |
| Assembly position                         | Horizontal  |
| Pneumatic connection                      | Subbase   |
| Product weight                            | 600 g   |
| Type of display                           | Display optimized illuminated LCD                             |
| Unit(s) that can be displayed             | l<br>l/min<br>m <sup>3</sup>                                  |
| Protection class                          | IP65  |
| Corrosion resistance classification CRC   | 2   |