

Energy efficiency module

MSE6-C2M-5000-FB43-D-M-RG-BAR-M12L4-MQ1-AGD

FESTO

Part number: 8169407



 General operating condition

Data sheet

| Feature | Value |
|---|---|
| Size | 6 |
| Series | MSE |
| Mounting position | Horizontal +/- 5° |
| Valve function | 2/2, open, monostable |
| Reset method | Mechanical spring |
| Operating pressure | 0.5 MPa ... 1.1 MPa |
| Operating pressure | 5 bar ... 11 bar |
| Operating pressure | 72.5 psi ... 159.5 psi |
| Pressure regulation range MPa | 0.25 MPa ... 1 MPa |
| Pressure regulation range | 2.5 bar ... 10 bar |
| Pressure regulation range psi | 36.25 psi ... 145 psi |
| Max. pressure hysteresis | 0.03 MPa |
| Max. pressure hysteresis | 0.3 bar |
| Max. pressure hysteresis | 4.35 psi |
| Normal nominal flow rate (normalized to DIN 1343) | 7000 l/min |
| Duty cycle | 100% |
| Max. load current consumption | ≤0.26 A |
| Logic max. current consumption | ≤0.32 A |
| Max. residual current | 1 A |
| Certification | RCM compliance mark |
| KC characters | KC EMC |
| 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 |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication not possible |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -10 °C ... 60 °C |
| Temperature of medium | 0 °C ... 50 °C |
| Degree of protection | IP65 With plug socket |
| Ambient temperature | 0 °C ... 50 °C |
| Product weight | 4455 g |
| Electrical connection | M12x1, L-coded according to EN 61076-2-111 |
| Pneumatic connection 1 | G1/2 |
| Pneumatic connection 2 | G1/2 |

| Feature | Value |
|--|---|
| Seals material | NBR |
| Housing material | Die-cast aluminum |
| Covering material | PA-reinforced |
| Cover material | PA-reinforced |
| Fieldbus interface | 2x socket, M12x1, 4-pin, D-coded |
| Operating voltage range DC electronics/sensors | 18 V ... 30 V |
| DC load voltage operating voltage range | 21.6 V ... 28.8 V |
| Reverse polarity protection | for operating voltage connections |
| Displayable unit(s) | kPa l l/min m ³ mbar psi scf scfm |
| Flow measuring range start value | 50 l/min |
| Flow measuring range end value | 5000 l/min |
| Accuracy of flow rate | ± (3% o.m.v. + 0.3% FS) |
| Pressure measuring range initial value | 0 MPa |
| Pressure measuring range initial value | 0 bar |
| Pressure measuring range initial value | 0 psi |
| Pressure measuring range end value | 1.4 MPa |
| Pressure measuring range end value | 14 bar |
| Pressure measuring range end value | 203 psi |
| Accuracy in ± % FS | 3 %FS |
| No. of inputs | 2 |
| Input switching logic | PNP (positive switching) |
| No. of outputs | 2 |
| Switching logic at outputs | PNP (positive switching) |
| Max. power supply per channel | 1 A (12 W lamp load) |