

Energy efficiency module

MSE6-C2M-5000-FB44-D-M-RG-BAR-AMI-AGD

FESTO

Part number: 8157908



 General operating condition

Data sheet

| Feature | Value |
|-------------------------------------------------------|-------------------------------------------------------------|
| Size | 6 |
| Series | MSE |
| Mounting position | Horizontal +/-5° |
| Valve function | 2/2 open, monostable |
| Type of reset | 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 | 0.25 MPa ... 1 MPa |
| Pressure regulation range | 2.5 bar ... 10 bar |
| Pressure regulation range | 36.25 psi ... 145 psi |
| Max. pressure hysteresis | 0.03 MPa |
| Max. pressure hysteresis | 0.3 bar |
| Max. pressure hysteresis | 4.35 psi |
| Standard nominal flow rate (standardised to DIN 1343) | 7000 l/min |
| Duty cycle | 100% |
| Max. current consumption, load | ≤0.26 A |
| Max. current consumption, logic | ≤0.32 A |
| Max. resultant current | 1 A |
| Approval | RCM trademark |
| KC mark | KC-EMV |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation not possible |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -10 °C ... 60 °C |
| Media temperature | 0 °C ... 50 °C |
| Degree of protection | IP65 With plug socket |
| Ambient temperature | 0 °C ... 50 °C |
| Product weight | 4550 g |
| Electrical connection | 5-pin AIDA push-pull |
| Pneumatic connection, port 1 | G1/2 |

| Feature | Value |
|------------------------------------------------|-------------------------------------------------------------------|
| Pneumatic connection, port 2 | G1/2 |
| Material seals | NBR |
| Material housing | Die-cast aluminium |
| Material covering | PA-reinforced |
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| Field bus interface | 2x RJ45 push-pull socket, AIDA |
| Operating voltage range DC electronics/sensors | 18 V ... 30 V |
| Operating voltage DC load voltage | 21.6 V ... 28.8 V |
| Reverse polarity protection | For operating voltage connections |
| Displayable units | kPa l l/min m ³ mbar psi scf scfm |
| Start value for flow rate measuring range | 50 l/min |
| End value for flow rate measuring range | 5000 l/min |
| Accuracy of flow rate | ± (3% o.m.v. + 0.3% FS) |
| Start value for pressure measuring range | 0 MPa |
| Start value for pressure measuring range | 0 bar |
| Start value for pressure measuring range | 0 psi |
| End value for pressure measuring range | 1.4 MPa |
| End value for pressure measuring range | 14 bar |
| End value for pressure measuring range | 203 psi |
| Accuracy in ± % FS | 3 %FS |
| Number of inputs | 2 |
| Switching logic for inputs | PNP (positive switching) |
| Number of outputs | 2 |
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| Max. power supply per channel | 1 A (12 W lamp load) |