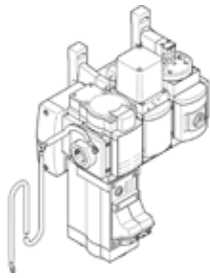


# energy efficiency module

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

Part number: 8169407

FESTO



### Data sheet

| Feature                                         | Value                                                                 |
|-------------------------------------------------|-----------------------------------------------------------------------|
| Size                                            | 6                                                                     |
| Series                                          | MSE                                                                   |
| Assembly position                               | Horizontal +/- 5°                                                     |
| Valve function                                  | 2/2 open, monostable                                                  |
| Operating pressure MPa                          | 0.5 ... 1.1 MPa                                                       |
| Working pressure                                | 5 ... 11 bar                                                          |
| Standard nominal flow rate                      | 7,000 l/min                                                           |
| Authorization                                   | RCM Mark                                                              |
| KC mark                                         | KC-EMV                                                                |
| CE symbol (see declaration of conformity)       | according to EU-EMV guideline<br>in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity)    | To UK instructions for EMC<br>To UK RoHS instructions                 |
| Operating medium                                | Compressed air in accordance with ISO8573-1:2010 [7:4:4]              |
| Note on operating and pilot medium              | Lubricated operation not possible                                     |
| PWIS conformity                                 | VDMA24364-B1/B2-L                                                     |
| Storage temperature                             | -10 ... 60 °C                                                         |
| Medium temperature                              | 0 ... 50 °C                                                           |
| Protection class                                | IP65<br>with plug socket                                              |
| Ambient temperature                             | 0 ... 50 °C                                                           |
| Product weight                                  | 4,455 g                                                               |
| Electrical connection                           | 4-pin<br>M12x1, L-coded to EN 61076-2-111                             |
| Pneumatic connection, port 1                    | G1/2                                                                  |
| Pneumatic connection, port 2                    | G1/2                                                                  |
| Material seals                                  | NBR                                                                   |
| Material housing                                | Aluminum die cast                                                     |
| Material of cover                               | PA-reinforced                                                         |
| Material cover                                  | PA-reinforced                                                         |
| Fieldbus interface                              | 2x socket, M12x1, 4-pin, D-coded                                      |
| Operating voltage range, DC electronics/sensors | 18 ... 30 V                                                           |
| DC operating voltage, load voltage              | 21.6 ... 28.8 V                                                       |
| Polarity protected                              | For operating voltage connections                                     |
| Unit(s) that can be displayed                   | kPa<br>l<br>l/min<br>m3<br>mbar<br>psi<br>scf<br>scfm                 |
| Flow measurement range initial value            | 50 l/min                                                              |
| Flow measurement range final value              | 5,000 l/min                                                           |
| Accuracy of flow rate                           | ± (3% o.m.v. + 0,3% FS)                                               |
| Pressure measuring range start value (MPa)      | 0 MPa                                                                 |

| Feature                                    | Value                    |
|--------------------------------------------|--------------------------|
| Pressure measuring range, initial value    | 0 bar                    |
| Pressure measuring range start value (psi) | 0 psi                    |
| Pressure measuring range end value (MPa)   | 1.4 MPa                  |
| Pressure measuring range, final value      | 14 bar                   |
| Pressure measuring range end value (psi)   | 203 psi                  |
| Accuracy, FS                               | 3 %FS                    |
| No. of inputs                              | 2                        |
| Input circuit logic                        | PNP (positive-switching) |
| No. of outputs                             | 2                        |
| Switching logic, outputs                   | PNP (positive-switching) |
| Max. power supply per channel              | 1 A (12 W lamp load)     |