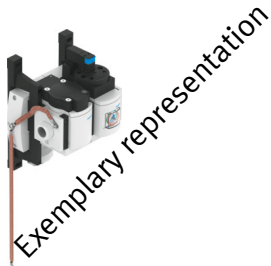


# Energy efficiency module MSE6

Part number: 2839638

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                               | Value                                                       |
|-------------------------------------------------------|-------------------------------------------------------------|
| Size                                                  | 6                                                           |
| Series                                                | MSE                                                         |
| Mounting position                                     | Horizontal +/-5°                                            |
| Valve function                                        | 2/2 open, monostable                                        |
| Type of reset                                         | Mechanical spring                                           |
| Operating pressure                                    | 0.35 MPa ... 1.3 MPa                                        |
| Operating pressure                                    | 3.5 bar ... 13 bar                                          |
| Operating pressure                                    | 50.75 psi ... 188.5 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) | 4500 l/min ... 7000 l/min                                   |
| Duty cycle                                            | 100%                                                        |
| Max. current consumption, load                        | 0.1 A ... 0.26 A                                            |
| Max. current consumption, logic                       | 0.25 A ... 0.35 A                                           |
| Max. resultant current                                | 1 A                                                         |
| Approval                                              | RCM trademark                                               |
| KC mark                                               | KC-EMV                                                      |
| CE mark (see declaration of conformity)               | To EU EMC Directive<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 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<br>With plug socket                                    |
| Ambient temperature                                   | 0 °C ... 50 °C                                              |
| Product weight                                        | 2700 g ... 4550 g                                           |

| Feature                                        | Value                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------|
| Electrical connection                          | 4-pin<br>5-pin<br>AIDA push-pull<br>M12x1, L-coded to EN 61076-2-111<br>M18<br>Plugs      |
| Pneumatic connection, port 1                   | G1/2<br>G3/4                                                                              |
| Pneumatic connection, port 2                   | G1/2<br>G3/4                                                                              |
| Material seals                                 | NBR                                                                                       |
| Material housing                               | Die-cast aluminium                                                                        |
| Material covering                              | PA-reinforced                                                                             |
| Material cover                                 | PA-reinforced                                                                             |
| Field bus interface                            | 2x socket, M12x1, 4-pin, D-coded<br>2x RJ45 push-pull socket, AIDA<br>Sub-D socket, 9-pin |
| Operating voltage range DC electronics/sensors | 18 V ... 30 V                                                                             |
| Operating voltage DC load voltage              | 18 V ... 28.8 V                                                                           |
| Reverse polarity protection                    | For operating voltage connections                                                         |
| Displayable units                              | kPa<br>l<br>l/min<br>m3<br>mbar<br>psi<br>scf<br>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                                                                                         |
| Switching logic for outputs                    | PNP (positive switching)                                                                  |
| Max. power supply per channel                  | 1 A (12 W lamp load)                                                                      |