# Energy efficiency module
# MSE6-E2M-5000-FB44-AGD

Part number: 8157911



## Data sheet

| Feature | Value |
|---|---|
| Size | 6 |
| Series | MSE |
| Mounting position | Horizontal +/- 5° |
| Valve function | 2/2-way, monostable, open |
| Reset method | Mechanical spring |
| Operating pressure | 0.35 MPa...1 MPa<br>3.5 bar...10 bar<br>50.75 psi...145 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<br>0.3 bar<br>4.35 psi |
| Normal nominal flow rate (normalized to DIN 1343) | 4500 l/min |
| Duty cycle | 100% |
| Max. load current consumption | 100 mA |
| Logic max. current consumption | 270 mA |
| Certification | RCM compliance mark |
| KC characters | KC-EMV |
| CE marking (see declaration of conformity) | As per EU EMC directive<br>As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>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<br>With plug socket |
| Ambient temperature | 0 °C...50 °C |
| Product weight | 3450 g |

| Feature | Value |
|---|---|
| Electrical connection | 4-pin<br>M18<br>Plug |
| Pneumatic connection 1 | G1/2 |
| Pneumatic connection 2 | G1/2 |
| Seals material | NBR |
| Housing material | Die-cast aluminum |
| Covering material | PA-reinforced |
| Cover material | PA-reinforced |
| Fieldbus interface | 2x socket RJ45 push-pull, AIDA |
| Operating voltage range DC electronics/sensors | 18 V...30 V |
| DC load voltage operating voltage range | 18 V...26.4 V |
| Reverse polarity protection | for operating voltage connections |
| Displayable unit(s) | KPa<br>l<br>l/min<br>m3<br>mbar<br>psi<br>scf<br>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<br>0 bar<br>0 psi |
| Pressure measuring range end value | 1.4 MPa<br>14 bar<br>203 psi |
| Accuracy in ± % FS | 3 %FS |