

# Energy efficiency module

## MSE6-D2M-5000-CBUS-S-RG-BAR-VCB-AGD

FESTO

Part number: 8085453



 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	0.35 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
Duty cycle	100%
Max. current consumption, load	≤0.1 A
Max. current consumption, logic	≤0.25 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	2700 g
Pneumatic connection, port 1	G1/2
Pneumatic connection, port 2	G1/2
Material seals	NBR
Material housing	Die-cast aluminium

Feature	Value
Material covering	PA-reinforced
Material cover	PA-reinforced
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 l l/min m <sup>3</sup> 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