

# energy efficiency module

## MSE6-C2M-5000-FB43-D-M-RG-BAR-M12L5-MQ1-AGD

Part number: 8157912

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
Operating pressure	5 ... 11 bar
Standard nominal flow rate	7,000 l/min
Authorisation	RCM Mark
KC mark	KC-EMV
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC 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 with plug socket
Ambient temperature	0 ... 50 °C
Product weight	4,455 g
Electrical connection	5-pin 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	Aluminium 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 l l/min m3 mbar psi scf 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)