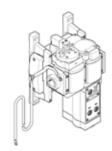
energy efficiency module MSE6-E2M-5000-FB33-AGD Part number: 3850287





Data sheet

Assembly position Active function Active fun	Feature	Value
Assembly position Horizontal +/- 5° Valve function 2/2 open, monostable Operating pressure MPa 0.35 1 MPa Operating pressure MPa 0.35 1 MPa Standard nominal flow rate 4,500 Umin Authorization RCM Mark KC mark KC-EMV CE symbol (see declaration of conformity) according to EU-EMV guideline in accordance with EU RoHS directive To UK RoHS instructions Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Utoe on operating and pilot medium Lubricated operation not possible Corrosion resistance classification CRC 2 - Moderate corrosion stress OPERATION VOMA24364-B1/B2-L Storage temperature -10 60° C Wedium temperature -0 50° C Operating temperature -0 50°	Size	6
Valve function 0.35 1 MPa 0.35 .	Series	MSE
Operating pressure MPa O.35 1 MPa Working pressure 3.5 10 bar Standard nominal flow rate 4,500 (/min Author/zation KC. Em/W CE symbol (see declaration of conformity) according to EU-EMV guideline in accordance with EU RoHS directive To UK RoHS instructions Operating medium Operating medium Operating and pilot medium Cubricated operation not possible Corrosion resistance classification CRC 2 - Moderate corrosion stress PMS conformity Storage temperature -10 60 °C Ambient temperature -0 50 °C Product weight -1 .3.350 g Electrical connection, port 1 G1/2 Pheumatic connection, port 2 G1/2 Material bousing Material housing Material four over Material cover Material co	Assembly position	Horizontal +/- 5°
Working pressure 3.5 10 bar Standard nominal flow rate A,500 (/min Author/zation RCM mark CE symbol (see declaration of conformity) To UK (marking (see declaration of conformity) WIKCA marking (see declaration of conformity) To UK (marking (see declaration of conformity) Outperating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Lubricated operation not possible Corrosion resistance classification CRC 2 - Moderate corrosion stress VDMA24364-B1/B2-L 10 60 °C VDMA24364-B1/B2-L 10 60 °C VDMA24364-B1/B2-L 10 60 °C VDMA24364-B1/B2-L 10 60 °C With plug socket With plug socket With plug socket Ambient temperature O 50 °C Product weight 3,350 g Electrical connection 4 pin M18 Plug Pheumatic connection, port 1 G1/2 Pheumatic connection, port 2 G3/2 Material seals NBR Material towing Aluminum die cast Material of cover PA-reinforced Material of cover PA-reinforced Material of cover PA-reinforced Material of cover PA-reinforced PA-reinforced PA-reinforced PA-reinforced PA-reinforced PA-reinforced PA-reinforced Fieldbus interface Operating voltage range, DC electronics/sensors 18 30 V DC operating voltage, load voltage Polarity protected For operating voltage connections UI (/min m3 mbar psi scf scfm	Valve function	2/2 open, monostable
Standard nominal flow rate ACM Mark RCE symbol (see declaration of conformity) According to EU-EMV guideline 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 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-817 [82-1] Storage temperature 1-10 60 °C Medium temperature 0 50 °C Protection class IP65 with plug socket Ambient temperature 0 50 °C Product weight 3,350 g Electrical connection M18 Plug Pneumatic connection, port 1 G1/2 Pheumatic connection, port 2 G1/2 Material seals NBR Material lousing Material of cover Material of cover Material cover Includes a cover of the protection of the protectio	Operating pressure MPa	0.35 1 MPa
Authorization KC mark KC-EMV CE symbol (see declaration of conformity) according to EU-EMV guideline in accordance with EU RoN5 directive UKCA marking (see declaration of conformity) To UK kinstructions for EMC To UK RoH5 instructions Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation not possible Corrosion resistance classification CRC 2 - Moderate corrosion stress VDMA2366-B1/B2-L Storage temperature 1-0 60 °C Wedium temperature 0 50 °C Wedium temperature 0 50 °C Protection class With plug socket Ambient temperature 0 50 °C Product weight 3,350 g Electrical connection Apin M18 Plug Pneumatic connection, port 1 G1/2 Pneumatic connection, port 2 G1/2 Material soals Material soals Material soals Material solor Aluminum die cast Material of cover PA-reinforced PA-reinforced PA-reinforced PA-reinforced PA-reinforced Poperating voltage range, DC electronics/sensors 18 30 V Coperating voltage, load voltage Polarity protected For operating voltage connections RPa I I I/min m3 mbar psi scf scfm	Working pressure	3.5 10 bar
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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 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Storage temperature - 10 60 °C With plug socket Ambient temperature 0 50 °C Protection class IP65 with plug socket Ambient temperature 0 50 °C Product weight 3,350 g Electrical connection M18 Plug Pheumatic connection, port 1 G1/2 Pheumatic connection, port 1 G1/2 Material fourier Material fourier Material fourier Material fourier Material fourier Material cover PA-reinforced Material cover PA-reinforced Material cover PA-reinforced Material cover PA-reinforced Material gar range, DC electronics/sensors 18 30 V DC operating voltage, load voltage Pool porating voltage range, DC electronics/sensors 18 30 V I I	KC mark	KC-EMV
UKCA marking (see declaration of conformity) 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 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Storage temperature -10 60 °C Medium temperature Protection class IP6 with plug socket Ambient temperature 0 50 °C Protection class UF6 with plug socket Ambient temperature 0 50 °C Product weight 3,3350 g Electrical connection M18 Plug Pneumatic connection, port 1 G1/2 Pneumatic connection, port 2 G1/2 Material seals NBR Material obusing Material of cover Material cover IP6-reinforced Material cover PA-reinforced Materiac cover PA-reinforced Deparating voltage, load voltage 18 30 V DC operating voltage, load voltage 18 30 V IV min M3 Mbar Mbar Mbar Mbar Mbar Mbar Mbar Mbar	CE symbol (see declaration of conformity)	according to EU-EMV guideline
To UK RoHS instructions Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation not possible Corrosion resistance classification CRC 2 - Moderate corrosion stress 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 3,350 g Electrical connection 4-pin M18 Plug Pheumatic connection, port 1 G1/2 Pheumatic connection, port 2 G1/2 Material seals NBR Material housing Aluminum die cast Material cover PA-reinforced Doperating voltage range, DC electronics/sensors 18 30 V DC operating voltage, load voltage 18 26.4 V Polarity protected KPA L I/min m3 mbar psi scf scfm		in accordance with EU RoHS directive
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Note on operating and pilot medium Lubricated operation not possible Corrosion resistance classification CRC 2 - Moderate corrosion stress PMS conformity Storage temperature -10 60 °C Medium temperature 0 50 °C Protection class IP65 with plug socket Ambient temperature 0 50 °C Product weight 3,350 g Electrical connection 4-pin M18 Plug Pheumatic connection, port 1 G1/2 Material seals NBR Material bousing Material of cover Material of cover Material of cover PA-reinforced Fieldbus interface 2x socket, M12x1, 4-pin, D-coded Operating voltage range, DC electronics/sensors 18 30 V Polarity protected Unit(s) that can be displayed KPa Lubricated operation not possible 2 - Moderate corrosion stress NBR Adarial connection Lubricated operation not possible 2 - Moderate corrosion stress NBR Adarial of cover PA-reinforced PA-reinforced Fieldbus interface 2x socket, M12x1, 4-pin, D-coded Operating voltage range, DC electronics/sensors 18 30 V DC operating voltage connections Lymin m3 mbar psi scf scf scfm		To UK RoHS instructions
Note on operating and pilot medium Lubricated operation not possible Corrosion resistance classification CRC 2 - Moderate corrosion stress PMS conformity Storage temperature -10 60 °C Medium temperature 0 50 °C Protection class IP65 with plug socket Ambient temperature 0 50 °C Product weight 3,350 g Electrical connection 4-pin M18 Plug Pheumatic connection, port 1 G1/2 Material seals NBR Material bousing Material of cover Material of cover Material of cover PA-reinforced Fieldbus interface 2x socket, M12x1, 4-pin, D-coded Operating voltage range, DC electronics/sensors 18 30 V Polarity protected Unit(s) that can be displayed KPa Lubricated operation not possible 2 - Moderate corrosion stress NBR Adarial connection Lubricated operation not possible 2 - Moderate corrosion stress NBR Adarial of cover PA-reinforced PA-reinforced Fieldbus interface 2x socket, M12x1, 4-pin, D-coded Operating voltage range, DC electronics/sensors 18 30 V DC operating voltage connections Lymin m3 mbar psi scf scf scfm	Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Corrosion resistance classification CRC 2 - Moderate corrosion stress PMIS conformity VDMA24364-81/82-L Storage temperature 1-10	Note on operating and pilot medium	
PWIS conformity Storage temperature -10 60 °C Medium temperature 0 50 °C Protection class P65 with plug socket Ambient temperature 0 50 °C Product weight 3,350 g Electrical connection 4-pin M18 Plug Pheumatic connection, port 1 G1/2 Pheumatic connection, port 2 G1/2 Material seals NBR Material housing Aluminum die cast Material cover PA-reinforced Material cover PA-reinforced Material cover PA-reinforced Socket, M12x1, 4-pin, D-coded Operating voltage range, DC electronics/sensors 18 30 V Doc operating voltage, load voltage Polarity protected Unit(s) that can be displayed I I/min m3 mbar psi scf scf scfm		2 - Moderate corrosion stress
Medium temperature Protection class IP65 with plug socket Ambient temperature O 50 °C Product weight 3,350 g Electrical connection 4-pin M18 Plug Pheumatic connection, port 1 G1/2 Pheumatic connection, port 2 G1/2 Material seals NBR Material housing Aluminum die cast Material cover PA-reinforced Material cover PA-reinforced Fieldbus interface Deparating voltage range, DC electronics/sensors DC operating voltage, load voltage Polarity protected Unit(s) that can be displayed KPa I //min m3 mbar psi scf scf scfm	PWIS conformity	
Medium temperature Protection class P65	Storage temperature	-10 60 °C
Protection class P65 with plug socket	Medium temperature	0 50 °C
Ambient temperature O 50 °C Product weight 3,350 g Electrical connection 4-pin M18 Plug Pneumatic connection, port 1 G1/2 Pneumatic connection, port 2 G1/2 Material seals NBR Material fo cover Material of cover PA-reinforced Material cover PA-reinforced Fieldbus interface Operating voltage range, DC electronics/sensors DC operating voltage, load voltage Unit(s) that can be displayed RPA I I I/min m3 mbar psi scf scfm	Protection class	
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Material seals 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 18 26.4 V Polarity protected For operating voltage connections Unit(s) that can be displayed kPa l l/min m3 mbar psi scf scfm	Pneumatic connection, port 2	G1/2
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Fieldbus interface Operating voltage range, DC electronics/sensors 18 30 V DC operating voltage, load voltage 18 26.4 V Polarity protected For operating voltage connections kPa l l/min m3 mbar psi scf scfm	Material of cover	PA-reinforced
Operating voltage range, DC electronics/sensors 18 30 V DC operating voltage, load voltage 18 26.4 V Polarity protected For operating voltage connections kPa l l/min m3 mbar psi scf scfm	Material cover	PA-reinforced
Operating voltage range, DC electronics/sensors DC operating voltage, load voltage 18 26.4 V Polarity protected For operating voltage connections kPa l l/min m3 mbar psi scf scfm	Fieldbus interface	2x socket, M12x1, 4-pin, D-coded
DC operating voltage, load voltage Polarity protected For operating voltage connections kPa l l/min m3 mbar psi scf scfm	Operating voltage range, DC electronics/sensors	·
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Unit(s) that can be displayed kPa l l/min m3 mbar psi scf scfm	Polarity protected	
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m3 mbar psi scf scfm		
m3 mbar psi scf scfm		I/min
mbar psi scf scfm		
psi scf scfm		
scf scfm		
scfm		1.
	Flow measurement range initial value	
	Flow measurement range final value	·



Feature	Value
Accuracy of flow rate	± (3% o.m.v. + 0,3% FS)
Pressure measuring range start value (MPa)	0 MPa
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