Energy efficiency module
MSE6-E2M-5000-FB36-AGD

Part number: 3990296



General operating condition

Data sheet

Feature	Value
Size	6
Series	MSE
Mounting position	Horizontal +/- 5°
Valve function	2/2, open, monostable
Reset method	Mechanical spring
Operating pressure	0.35 MPa ... 1 MPa
Operating pressure	3.5 bar ... 10 bar
Operating pressure	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
Max. pressure hysteresis	0.3 bar
Max. pressure hysteresis	4.35 psi
Standard nominal flow rate	4500 l/min
Duty cycle	100%
Max. load current consumption	≤0.1 A
Logic max. current consumption	≤0.3 A
Certification	RCM compliance mark
KC characters	KC EMC
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC 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 With plug socket
Ambient temperature	0 °C ... 50 °C
Product weight	3300 g
Electrical connection	4-pin M18 Plug
Pneumatic connection 1	G1/2

Feature	Value
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, M12x1, 4-pin, D-coded
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 l l/min m3 mbar psi scf 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
Pressure measuring range initial value	0 bar
Pressure measuring range initial value	0 psi
Pressure measuring range end value	1.4 MPa
Pressure measuring range end value	14 bar
Pressure measuring range end value	203 psi
Accuracy in ± % FS	3 %FS