Energy efficiency module
MSE6-C2M-5000-FB43-D-M-RG-BAR-M12L5-MQ1-AGD

Part number: 8157912



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	0.5 MPa...1.1 MPa 5 bar...11 bar 72.5 psi...159.5 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 0.3 bar 4.35 psi
Normal nominal flow rate (normalized to DIN 1343)	7000 l/min
Duty cycle	100%
Max. load current consumption	260 mA
Logic max. current consumption	320 mA
Max. residual current	1 A
Certification	RCM compliance mark
KC characters	KC-EMV
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

Feature	Value
Product weight	4455 g
Electrical connection	5-pin M12x1, L-coded according to EN 61076-2-111
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, M12x1, 4-pin, D-coded
Operating voltage range DC electronics/sensors	18 V...30 V
DC load voltage operating voltage range	21.6 V...28.8 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 0 bar 0 psi
Pressure measuring range end value	1.4 MPa 14 bar 203 psi
Accuracy in ± % FS	3 %FS
No. of inputs	2
Input switching logic	PNP (positive switching)
No. of outputs	2
Switching logic at outputs	PNP (positive switching)
Max. power supply per channel	1 A (12 W lamp load)