

Air solenoid valve MHJ9-HF

Part number: 553117

FESTO



 General operating condition

Data sheet

Feature	Value
Valve function	2/2, closed, monostable
Actuation type	Electrical
Width	9 mm
Normal nominal flow rate (normalized to DIN 1343)	160 l/min
Pneumatic working port	Sub-base
Operating voltage	24V DC
Operating pressure	0.05 MPa ... 0.6 MPa
Operating pressure	0.5 bar ... 6 bar
Operating pressure	7.25 psi ... 87 psi
Structural design	Poppet valve without return spring
Reset method	Pneumatic spring
Degree of protection	IP40
Width dimension	9.5 mm
Operating conditions to DIN VDE 0580	S3 50% 20min. for single pneumatic valve S3 15% 20 min for block assembly
Information on operation	Do not operate without flow.
Sealing principle	Hard
Mounting position	Any
Manual override	None
Type of control	Direct
Flow direction	Non-reversible
Symbol	00992259
b-value	0.36
C value	0.66 l/sbar
Max. switching frequency	500 Hz
Switching time on at 4 bar and 24 V in new condition	1 ms
Switching time off at 4 bar and 24 V in new condition	0.5 ms
Switching time on at 4 bar and 48 V in new condition	0.8 ms
Switching time off at 4 bar and 48 V in new condition	0.4 ms
Switching time on at 4 bar and 12 V in new condition	1.4 ms
Switching time off at 4 bar and 12 V in new condition	0.6 ms
Switching time on at 0.5 bar and 24 V in new condition	0.9 ms
Switching time off at 0.5 bar and 24 V in new condition	0.7 ms
Switching time on at 6 bar and 24 V in new condition	1.3 ms
Switching time off at 6 bar and 24 V in new condition	0.5 ms
Tolerance for switching time off	+15 %/-25 %

Feature	Value
Tolerance for ON switching time	+/-15 %
DC operating voltage range	12 V ... 53 V
Note regarding operating voltage	Operation only with connecting cable MHJ9-KMH-...
Coil resistance	5 Ohm
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
Restricted ambient and media temperature	Depending on the switching frequency (see diagram)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Storage temperature	-20 °C ... 50 °C
Permissible solenoid surface temperature	120 °C
Temperature of medium	-5 °C ... 60 °C
Ambient temperature	-5 °C ... 60 °C
Max. tightening torque for valve mounting	0.28 Nm
Product weight	25 g
Electrical connection	KMH plug
Type of mounting	On sub-base
Pneumatic connection 1	Sub-base
Pneumatic connection 2	Sub-base
Note on materials	RoHS-compliant
Seals material	HNBR
Housing material	PA-reinforced
Material of screws	Steel