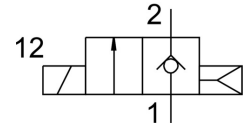


Air solenoid valve MHJ9-HF

Part number: 553117

FESTO



Data sheet

Feature	Value
Valve function	2/2, closed, monostable
Operating pressure	0.05 MPa ... 0.6 MPa
Actuation type	Electrical
Width	9 mm
Standard nominal flow rate	160 l/min
Pneumatic working port	Sub-base
Operating voltage	24V DC
Operating pressure	0.5 bar ... 6 bar
Design	Poppet valve without return spring
Reset method	Pneumatic spring
Degree of protection	IP40
Width dimension	9.5 mm
Type code	MHJ9
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
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	2-pin 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