

Air solenoid valve MHE4-M1H-3/20-QS-8

Part number: 525210

FESTO



 General operating condition

Data sheet

Feature	Value
Valve function	3/2, open, monostable
Actuation type	Electrical
Width	18 mm
Standard nominal flow rate	400 l/min
Pneumatic working port	QS-8
Operating voltage	24V DC
Operating pressure	-0.09 MPa ... 0.8 MPa
Operating pressure	-0.9 bar ... 8 bar
Operating pressure	-13.05 psi ... 116 psi
Structural design	Pressure-relieved poppet valve
Reset method	Mechanical spring
Degree of protection	IP65
Certification	c UL us - Recognized (OL)
Nominal width	4 mm
Width dimension	24 mm
Note on grid dimension	Minimum distance between the valves is 6 mm
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Non-detenting
Type of control	Direct
Flow direction	Reversible with restrictions
Symbol	00991322
Lap	Underlap
Operating pressure, reversible	-0.09 MPa ... 0.1 MPa
Operating pressure, reversible	-0.9 bar ... 1 bar
Operating pressure, reversible	-13.05 psi ... 14.5 psi
Max. switching frequency	120 Hz
Switching time off	5 ms
On switching time	10.5 ms
Duty cycle	100%
Coil characteristics	24 V DC: 5.6 W
Permissible voltage fluctuations	+/- 10 %
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)

Feature	Value
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom class	Class 6 according to ISO 14644-1
Temperature of medium	-5 °C ... 60 °C
Ambient temperature	-5 °C ... 60 °C
Product weight	270 g
Electrical connection	2-pin Plug
Type of mounting	With through-hole
Pneumatic connection 11	QS-8
Pneumatic connection 2	QS-8
Pneumatic connection 33	QS-8
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Die-cast metal, coated
Material of screws	Steel, galvanized