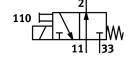
## Air solenoid valve MHE3-MS1H-3/20-QS-6

Part number: 525171





**FESTO** 

General operating condition

## Feature Value Valve function 3/2, open, monostable Actuation type Electrical Width 14 mm Standard nominal flow rate 200 l/min Pneumatic working port QS-6 Operating voltage 24V DC Operating pressure -0.09 MPa ... 0.8 MPa Operating pressure -0.9 bar ... 8 bar Structural design Pressure-relieved poppet valve Reset method Mechanical spring Degree of protection IP65 Certification RCM compliance mark c UL us - Recognized (OL) 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 Nominal width 3 mm Width dimension 19 mm Note on grid dimension Minimum distance between the valves is 5 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 Bipolar Reverse polarity protection Additional functions Spark suppression Holding current reduction Protective circuit -0.09 MPa ... 0.1 MPa Operating pressure, reversible -0.9 bar ... 1 bar Operating pressure, reversible Operating pressure, reversible -13.05 psi ... 14.5 psi 280 Hz Max. switching frequency Switching time off 2.8 ms

## Data sheet

8/8/24 - Subject to change - Festo SE & Co. KG

Feature	Value
On switching time	2.3 ms
Tolerance for switching time off	+10 %/-50 %
Tolerance for ON switching time	+10%/-30%
Switching time variation at 1 Hz and above	0.2 ms
Duty cycle	100%
Coil characteristics	24 V DC: low-current phase 1.6 W, high-current phase 6.5 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)
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Restricted ambient and media temperature	Depending on the switching frequency (see diagram)
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	120 g
Electrical connection	2-pin Plug
Type of mounting	With through-hole
Pneumatic connection 11	QS-6
Pneumatic connection 2	QS-6
Pneumatic connection 33	QS-6
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Die-cast metal, coated
Material of screws	Steel, galvanized