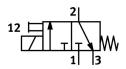
## Air solenoid valve MHE2-MS1H-3/2G-M7 Part number: 196131

**FESTO** 





General operating condition

## **Data sheet**

Value
3/2, closed, monostable
Electrical
10 mm
100 l/min
M7
24V DC
-0.09 MPa 0.8 MPa
-0.9 bar 8 bar
Pressure-relieved poppet valve
Mechanical spring
IP65
RCM compliance mark c UL us - Recognized (OL)
As per EU EMC directive As per EU RoHS directive
To UK instructions for EMC To UK RoHS instructions
2 mm
14 mm
Minimum distance between the valves is 4 mm
With flow control option
Soft
Any
Non-detenting
Direct
Reversible with restrictions
00991308
Underlap
Bipolar
Spark suppression Holding current reduction Protective circuit
-0.09 MPa 0.1 MPa
-0.9 bar 1 bar
-13.05 psi 14.5 psi
330 Hz
2 ms

Feature	Value
On switching time	1.7 ms
Tolerance for switching time off	+10 %/-30 %
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 1.25 W, high-current phase 5.0 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	60 g
Electrical connection	2-pin Plug
Type of mounting	With through-hole
Pneumatic connection 1	M7
Pneumatic connection 2	M7
Pneumatic connection 3	M7
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Die-cast metal, coated
Material of screws	Steel, galvanized