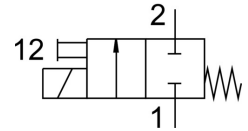


# Air solenoid valve

## MHP1-M4H-2/2G-M3-TC

Part number: 197048

FESTO



## Data sheet

Feature	Value
Valve function	2/2, closed, monostable
Lap	Underlap
Certificate issuing authority	UL MH19482
Actuation type	Electrical
Width	10 mm
Standard nominal flow rate	14 l/min
Pneumatic working port	M3
Operating voltage	5V DC
Operating pressure	-0.9 bar ... 2 bar
Design	Poppet valve with return spring
Reset method	Mechanical spring
Degree of protection	IP40
Certification	c UL us - Recognized (OL)
Nominal width	0.9 mm
Width dimension	10 mm
Type code	MHP1
Exhaust air function	Without flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Non-detenting
Type of control	Direct
Flow direction	Non-reversible
Symbol	00991398
Valve position ID	Label
Note on forced dynamization	Switching frequency at least once a week
Suitability for vacuum	yes
Max. switching frequency	20 Hz
Switching time off	5 ms
On switching time	4 ms
Duty cycle	100%
Electrical power consumption	1 W
Coil characteristics	5 V DC: 1.0 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)

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
Storage temperature	-20 °C ... 60 °C
Temperature of medium	-5 °C ... 40 °C
Ambient temperature	-5 °C ... 40 °C
Product weight	10 g
Electrical connection	Plug
Type of mounting	On sub-base With through-hole
Pneumatic connection 1	Sub-base
Pneumatic connection 2	M3
Note on materials	Free of copper and PTFE RoHS-compliant
Seals material	FPM HNBR NBR
Housing material	PA-reinforced PPS-reinforced