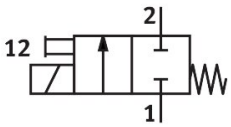
Air solenoid valve
MHP1-M4H-2/2G-M3-PI

Part number: 197051





Data sheet

Feature	Value
Valve function	2/2-way, closed, monostable
Actuation type	Electrical
Width	10 mm
Normal nominal flow rate (normalized to DIN 1343)	14 l/min
Pneumatic working port	M3
Operating voltage	5V DC
Operating pressure	-0.09 MPa...0.2 MPa -0.9 bar...2 bar -13.05 psi...29 psi
Structural design	Poppet valve with spring return
Reset method	Mechanical spring
Degree of protection	IP40
Certification	c UL us - recognized (OL)
Certificate issuing authority	UL MH19482
Nominal width	0.9 mm
Width dimension	10 mm
Exhaust air function	Cannot be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Non-detenting
Type of control	directly
Flow direction	Non-reversible
Valve position ID	Label
Lap	Negative overlap
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

Feature	Value
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
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-B2-L
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	RoHS compliant
Seals material	FPM HNBR NBR
Housing material	PA-reinforced PPS-reinforced