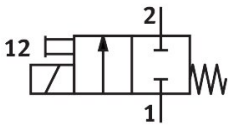
Air solenoid valve
MHP1-M5H-2/2G-M3-HC

Part number: 197046



General operating condition

Data sheet

Feature	Value
Valve function	2/2, 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	12V DC
Operating pressure	-0.09 MPa ... 0.2 MPa
Operating pressure	-0.9 bar ... 2 bar
Operating pressure	-13.05 psi ... 29 psi
Structural design	Poppet valve with return spring
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	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
Lap	Underlap
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	12 V DC: 1.0 W
Permissible voltage fluctuations	+/- 10 %
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]

Feature	Value
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	PPS-reinforced