Air solenoid valve MHP1-M1H-3/2O-M3-PI Part number: 197035



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General operating condition

Actuation type Electrical Width 10 mm Standard nominal flow rate 10 l/min Pneumatic working port M3 Opparating oftsage 24V DC Opparating pressure 0 MPa 0.6 MPa Opparating pressure 0 part 0 bar Opparating pressure 0 part 8 7 psi Structural design Poppet valve with return spring Reset method Mechanical spring Degree of protection IP40 Certificate issuing authority UL MH19482 Nominal width 0.7 mm Width filmension 10 mm Exhaust air function With flow control option Sealing principle Soft Manual override Non-detenting Type of control Direct Flow direction Soft Symbol 00991322 Valve position ID Label Lap Underlap Max. witching frequency 20 Hz Switching frequency 20 Hz Switching frequency 20 Hz	Feature	Value
Width 10 mm Standard nominal flow rate 10 l/min Pneumatic working port M3 Operating yotage 24V DC Operating pressure 0 MPa 0.6 MPa Operating pressure 0 bar 6 bar Operating pressure 0 parting pressure Operating pressure 0 parting pressure Operating operating operating operating operating wake with return spring Reset method Mechanical spring Degree of protection IP40 Certificate issuing authority UL MH19482 Nominal width 0.7 mm Width dimension 10 mm Exhaust air function Kith flow control option Sealing principle Soft Maaual override Non-detenting Type of control Direct Tower of dynamization Some reversible Symbol 00991322 Valve position ID Label Lap Underlap Max. switching frequency 20 Hz Switching frequency 20 Hz Switching frequency 20 Hz Switching frequency 20 Hz	Valve function	3/2, open, monostable
Standard nominal flow rate10 l/minPneumatic working portM3Operating pressure0 MPa 0.6 MPaOperating pressure0 bar 6 barOperating pressure0 bar 6 barOperating pressure0 psi 87 psiOperating pressure0 psi 87 psiCertificationct Ut us - Recognized (OL)Certification0.7 mmWidth dimension10 mmStadust air functionWith flow control optionStadust air functionWith flow control optionStadust air functionNon-detentingMounting positionAnyManual overrideNon-detentingFlow directionNon-reversibleSymbol00991322Valve position IDLabelLapUnderlapNote on forced dynamizationSwitching frequency at least once a weekMax. switching frequency20 HzSwitching frequency<	Actuation type	Electrical
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Max. negative test pulse on 1 signal400 µsCoil characteristics24 V DC: 1.0 WPermissible voltage fluctuations+/- 10 %	Electrical power consumption	1 W
Coil characteristics 24 V DC: 1.0 W Permissible voltage fluctuations +/- 10 %	Max. positive test pulse with 0 signal	500 μs
Permissible voltage fluctuations +/- 10 %	Max. negative test pulse on 1 signal	400 μs
	Coil characteristics	24 V DC: 1.0 W
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	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 11	Sub-base
Pneumatic connection 2	M3
Pneumatic connection 33	Sub-base
Note on materials	RoHS-compliant
Seals material	FPM HNBR NBR
Housing material	PA-reinforced PPS-reinforced