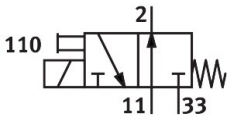
Air solenoid valve
MHP2-M1H-3/2O-M5

Part number: 196142





Data sheet

Feature	Value
Valve function	3/2-way, monostable, open
Actuation type	Electrical
Width	10 mm
Normal nominal flow rate (normalized to DIN 1343)	100 l/min
Pneumatic working port	M5
Operating voltage	24V DC
Operating pressure	-0.09 MPa...0.8 MPa -0.9 bar...8 bar -13.05 psi...116 psi
Structural design	Pressure relief poppet valve
Reset method	Mechanical spring
Degree of protection	IP65
Certification	c UL us - recognized (OL)
Nominal width	2 mm
Width dimension	14 mm
Note on grid dimension	Minimum distance between the valves is 4 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	Non-detenting
Type of control	directly
Flow direction	Reversible with restrictions
Lap	Negative overlap
Operating pressure, reversible	-0.09 MPa...0.1 MPa -0.9 bar...1 bar -13.05 psi...14.5 psi
Max. switching frequency	130 Hz
Switching time off	3.5 ms
On switching time	7 ms
Duty cycle	100%
Coil characteristics	24 V DC: 2.88 W
Permissible voltage fluctuations	+/- 10%

Feature	Value
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-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Temperature of medium	-5 °C...40 °C
Ambient temperature	-5 °C...40 °C
Product weight	60 g
Electrical connection	2-pin Plug
Type of mounting	On PR manifold rail
Pneumatic connection 11	Sub-base
Pneumatic connection 2	M5
Pneumatic connection 33	Sub-base
Note on materials	RoHS compliant
Seals material	HNBR NBR
Housing material	Die-cast zinc, coated
Material of screws	Galvanized steel