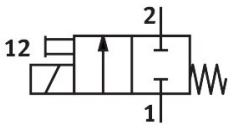
Solenoid valve
MHP1-M5H-2/2G-M3-TC

Part number: 197049



General operating condition

Data sheet

Feature	Value
Valve function	2/2-way, closed, monostable
Type of actuation	Electric
Construction width	10 mm
Standard nominal flow rate (standardised 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
Design	Poppet valve with spring return
Type of reset	Mechanical spring
Degree of protection	IP40
Approval	c UL us - Recognized (OL)
Certificate issuing authority	UL MH19482
Nominal size	0.9 mm
Grid dimension	10 mm
Exhaust-air function	Without flow control option
Sealing principle	Soft
Mounting position	optional
Manual override	Non-detenting
Type of piloting	Direct
Flow direction	Non-reversible
Symbol	00991398
Valve position code	Label
lap	Underlap
Note on forced dynamization	Switching frequency min. 1/week
Suitability for vacuum	yes
Max. switching frequency	20 Hz
Switching time off	5 ms
Switching time on	4 ms
Duty cycle	100%
Electrical power consumption	1 W
Characteristic coil data	12 V DC: 1.0 W
Permissible voltage fluctuations	+/- 10 %
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]

Feature	Value
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to 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
Media temperature	-5 °C ... 40 °C
Ambient temperature	-5 °C ... 40 °C
Product weight	10 g
Electrical connection	Plugs
Type of mounting	On sub-base With through-hole
Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 2	M3
Note on materials	RoHS-compliant
Material seals	FPM HNBR NBR
Material housing	PPS reinforced