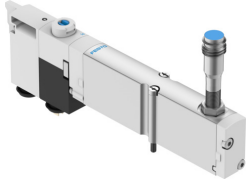


Solenoid valve VMPA1-M1H-MS-C-PI

Part number: 8186953

FESTO



Data sheet

Feature	Value
Valve function	2x3/2-way, open, monostable
Type of actuation	Electric
Valve size	10 mm
Standard nominal flow rate (standardised to DIN 1343)	190 l/min
Operating voltage	24V DC
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Design	Poppet valve with spring return
Type of reset	Mechanical spring
Approval	c UL us - Recognized (OL)
Certificate issuing authority	UL MH19482
Degree of protection	IP65 In assembled state To IEC 60529
Sealing principle	Soft
Mounting position	optional
Manual override	Detenting Non-detenting
Type of piloting	Pilot actuated
Flow direction	Reversible
Switching element function	N/C contact
lap	Overlap
Signal status display	yes
Pilot pressure	0.3 MPa...0.8 MPa 3 bar...8 bar
Suitability for vacuum	yes
Standard nominal flow rate with QS-6	360 l/min
Max. switching frequency	2 Hz
Switching time off	27 ms
Switching time on	10 ms
Max. positive test pulse with 0 signal	400 µs
Max. negative test pulse with 1 signal	200 µs
Switching output	PNP

Feature	Value
Permissible voltage fluctuations	+/- 25%
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
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	3 - high corrosion stress
Storage temperature	-20 °C...40 °C
Media temperature	-5 °C...50 °C
Relative air humidity	Max. 90% at 40°C
Ambient temperature	-5 °C...50 °C
Max. tightening torque for valve mounting	0.25 Nm
Product weight	96 g
Operating voltage range, DC sensor	10 V...30 V
Short-circuit strength sensor	Pulsed
Idle current sensor	10 mA
Max. output current sensor	200 mA
Max. switching frequency sensor	5000 Hz
Residual ripple sensor	± 10%
Voltage drop sensor	2 V
Sensor connection	Plug Cable 4-pin M12x1 0.5 m
Type of mounting	With through-hole
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	PPA reinforced