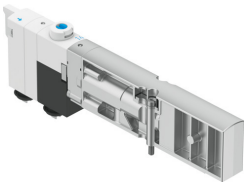
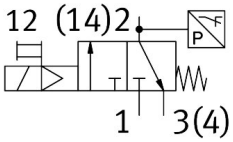
Solenoid valve
VMPA1-M1H-IS-PI

Part number: 8126790





Data sheet

Feature	Value
Valve function	3/2-way, closed, monostable
Actuation type	Electrical
Valve size	10 mm
Pneumatic working port	M7
Operating voltage	24V DC
Operating pressure	0.3 MPa...0.8 MPa 3 bar...8 bar
Structural design	Poppet valve with spring return
Reset method	Mechanical spring
Degree of protection	IP65 In mounted state As per IEC 60529
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Piloted
Pilot air supply port	Internal
Flow direction	Non-reversible
Lap	Negative overlap
Signal status display	Yes
Pilot pressure MPa	0.3 MPa...0.8 MPa
Pilot pressure	3 bar...8 bar
Suitability for vacuum	No
Permissible voltage fluctuations	+/- 25%
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication not possible
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)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364 Zone III
Storage temperature	-20 °C...60 °C

Feature	Value
Temperature of medium	-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	32 g
Min. switch-off point	0.05 bar
Switch-on point	0.2 bar
Max. switch-on point	0.3 bar
Type of mounting	With through-hole
Pilot exhaust air port 82/84	Internal
Pneumatic connection 1	Internal
Pneumatic connection 2	Internal
Pneumatic connection 3	M7
Note on materials	RoHS compliant
Seals material	HNBR NBR
Housing material	Reinforced PPA
Material of screws	Coated steel