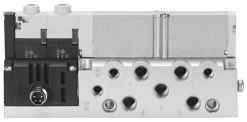
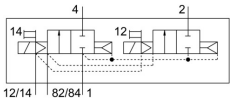
Air solenoid valve
VMPA1-M1H-D-S-M7-PI

Part number: 533393





Data sheet

Feature	Value
Valve function	2x2/2 closed, monostable
Relative air humidity	Max. 90 % at 40 °C
Lap	Overlap
Pilot pressure MPa	0.3 MPa ... 0.8 MPa
Operating pressure	0.3 MPa ... 1 MPa
Actuation type	Electrical
Valve size	10 mm
Standard nominal flow rate	230 l/min
Pneumatic working port	M7
Operating voltage	24V DC
Operating pressure	3 bar ... 10 bar
Design	Piston gate valve
Reset method	Pneumatic spring
Degree of protection	IP65 In mounted state as per IEC 60529
Certification	c UL us - Recognized (OL)
Type code	VMPA1
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	External
Flow direction	Non-reversible
Symbol	00991803
Signal status display	yes
Pilot pressure	3 bar ... 8 bar
Suitability for vacuum	no
Standard nominal flow rate with QS-6	230 l/min
Switching time off	20 ms
On switching time	10 ms
Max. positive test pulse with 0 signal	400 µs
Max. negative test pulse on 1 signal	200 µs
Permissible voltage fluctuations	+/- 25 %

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)
CE marking (see declaration of conformity)	As per EU EMC directive
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
Storage temperature	-20 °C ... 40 °C
Temperature of medium	-5 °C ... 50 °C
Ambient temperature	-5 °C ... 50 °C
Max. tightening torque for valve mounting	0.25 Nm
Product weight	143 g
Electrical connection	4-pin M8x1 Plug as per EN 60947-5-2
Type of mounting	With through-hole
Pilot air port 12/14	M5
Pilot exhaust air port 82/84	M5
Pneumatic connection 1	M7
Pneumatic connection 2	M7
Pneumatic connection 3	M7
Pneumatic connection 4	M7
Pneumatic connection 5	M7
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum