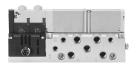
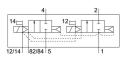
Air solenoid valve VMPA1-M1H-I-M7-PI

Part number: 545230





General operating condition

Data sheet

Feature	Value	
Valve function	2x2/2 closed, monostable	
Actuation type	Electrical	
Valve size	10 mm	
Standard nominal flow rate	260 l/min	
Pneumatic working port	M7	
Operating voltage	24V DC	
Operating pressure	0.3 MPa 0.8 MPa	
Operating pressure	3 bar 8 bar	
Structural design	Piston gate valve	
Reset method	Pneumatic spring	
Certification	c UL us - Recognized (OL)	
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive	
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions	
Degree of protection	IP65 as per IEC 60529	
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	Internal	
Flow direction	Non-reversible	
Symbol	00991804	
Lap	Overlap	
Signal status display	yes	
Pilot pressure MPa	0.3 MPa 0.8 MPa	
Pilot pressure	3 bar 8 bar	
Suitability for vacuum	no	
Standard nominal flow rate with QS-6	260 l/min	
Switching time off	20 ms	
On switching time	8 ms	
Max. positive test pulse with 0 signal	400 µs	
Max. negative test pulse on 1 signal	200 µs	
Permissible voltage fluctuations	+/- 25 %	

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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)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C 40 °C
Temperature of medium	-5 ℃ 50 ℃
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	143 g
Electrical connection	4-pin M8x1 Plug as per EN 60947-5-2
Type of mounting	With through-hole
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