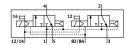
Air solenoid valve VMPA2-M1H-K-G1/8-PI Part number: 537968







General operating condition

Data sheet

Actuation type Electrical Valve size 20 mm Standard nominal flow rate Pneumatic working port Operating voltage Operating pressure Operating pressure 0,3 MPa0,8 MPa Operating pressure 3 bar8 bar Structural design Reset method Pneumatic spring Certification CE marking (see declaration of conformity) As per EU EMC directive As per EU BMC directive As per EU RMS directive UKCA marking (see declaration of conformity) To UK RoST instructions Degree of protection IP65 In mounted state as per IEC 60529 Exhaust air function Soating principle Soft Mounting position Any Manual override Detenting With flow control option Pilot controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Lap Overlap Signal status display yes Pilot pressure MPa Do 1, 3 MPa 0, 8 MPa Mass positive test pulse with 0 signal Max positive test pulse with 0 signal Max positive test pulse with 0 signal	Feature	Value
Valve size 20 mm Standard nominal flow rate 500 l/min Pneumatic working port 61/8 Operating yoltage 24V DC Operating pressure 0.3 MPa 0.8 MPa Operating pressure 9 3 bar 8 bar Structural design Pleston gate valve Reset method Pneumatic spring Certification c UL us - Recognized (OL) CE marking (see declaration of conformity) As per EU BMC directive As per EU ROHS directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Degree of protection Ple5 Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Type of control Pilot air supply port Internal Ellow direction Non-reversible Symbol 00991809 Lap Overlap Signal status display yes Pilot pressure MPa 0.3 MPa 0.8 MPa Pilot pressure MPa Pilot pressure MPa Out switching time off Conswitch QS-8 Switching time off 0.8 ms Sustability for vacuum fon switching time 8 ms Max. positive test pulse with 0 signal	Valve function	2x3/2, closed, monostable
Standard nominal flow rate Pneumatic working port Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure 3 bar 8 bar Structural design Piston gate valve Reset method Pneumatic spring Certification Cet us - Recognized (01) CE marking (see declaration of conformity) As per EU EMC directive As per EU ROHS directive UKCA marking (see declaration of conformity) To UK finstructions for £MC To UK RoHS instructions Degree of protection Ple5 In mounted state as per EU EACS In mounted state as per EU EACS In mounted state as per EU EACS Ple5 In mounted state In mounted state as p	Actuation type	Electrical
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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 RobtS directive As per EU RobtS directive UKCA marking (see declaration of conformity) To UK instructions for EMC TO UK RobtS instructions Degree of protection IP65 In mounted state as per IEC 60529 Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Mounting position Any Manual override Detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991809 Lap Overlap Signal status display yes Pilot pressure 3 bar 8 bar	Standard nominal flow rate	500 l/min
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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 BMC directive UKCA marking (see declaration of conformity) To UK instructions for EMC TO UK ROHS instructions Degree of protection IP65 In mounted state 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 00991809 Lap Overlap Signal status display yes Pilot pressure 3 bar 8 bar Suitability for vacuum no Standard nominal flow rate with QS-8 500 I/min Switching time off 28 ms Max. positive test pulse with 0 signal 400 μs	Operating voltage	24V DC
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Reset method Certification Cettification Cet	Operating pressure	3 bar 8 bar
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Non-detenting Type of control Pilot controlled Pilot air supply port Internal Flow direction Non-reversible Symbol O0991809 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-8 Switching time off 28 ms Max. positive test pulse with 0 signal Non-reversible Non-re	Mounting position	Any
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Flow direction Non-reversible O0991809 Lap Overlap Signal status display Pilot pressure MPa Pilot pressure 3 bar 8 bar Suitability for vacuum no Standard nominal flow rate with QS-8 Switching time off On switching time Max. positive test pulse with 0 signal Non-reversible Non-rever	Type of control	Pilot-controlled
Symbol 00991809 Lap Overlap Signal status display yes Pilot pressure MPa 0.3 MPa 0.8 MPa Pilot pressure Suitability for vacuum no Standard nominal flow rate with QS-8 500 l/min Switching time off 28 ms On switching time Max. positive test pulse with 0 signal 400 µs	Pilot air supply port	Internal
LapOverlapSignal status displayyesPilot pressure MPa0.3 MPa 0.8 MPaPilot pressure3 bar 8 barSuitability for vacuumnoStandard nominal flow rate with QS-8500 l/minSwitching time off28 msOn switching time8 msMax. positive test pulse with 0 signal400 μs	Flow direction	Non-reversible
Signal status display 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-8 Switching time off 28 ms On switching time 8 ms Max. positive test pulse with 0 signal	Symbol	00991809
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-8 Switching time off 28 ms On switching time 8 ms Max. positive test pulse with 0 signal	Lap	Overlap
Pilot pressure 3 bar 8 bar Suitability for vacuum no Standard nominal flow rate with QS-8 500 l/min Switching time off 28 ms On switching time 8 ms Max. positive test pulse with 0 signal 400 µs	Signal status display	yes
Suitability for vacuum Standard nominal flow rate with QS-8 Switching time off 28 ms On switching time 8 ms Max. positive test pulse with 0 signal 400 µs	Pilot pressure MPa	0.3 MPa 0.8 MPa
Standard nominal flow rate with QS-8 500 l/min Switching time off 28 ms On switching time 8 ms Max. positive test pulse with 0 signal 400 µs	Pilot pressure	3 bar 8 bar
Switching time off 28 ms On switching time 8 ms Max. positive test pulse with 0 signal 400 µs	Suitability for vacuum	no
On switching time 8 ms Max. positive test pulse with 0 signal 400 µs	Standard nominal flow rate with QS-8	500 l/min
Max. positive test pulse with 0 signal 400 μs	Switching time off	28 ms
· · · · · · · · · · · · · · · · · · ·	On switching time	8 ms
Max. negative test pulse on 1 signal 900 μs	Max. positive test pulse with 0 signal	400 µs
	Max. negative test pulse on 1 signal	900 μs

Feature	Value
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 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	0.65 Nm
Product weight	325 g
Electrical connection	4-pin M8x1 Plug as per EN 60947-5-2
Type of mounting	With through-hole
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Pneumatic connection 3	G1/8
Pneumatic connection 4	G1/8
Pneumatic connection 5	G1/8
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum