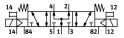
Solenoid valve VMPA2-M1H-B-G1/8-PI Part number: 537965

FESTO





General operating condition

Data sheet

Valve size 20 mm Standard nominal flow rate 510 l/min pneumatic working port 61/8 Operating voltage 24V DC Operating pressure 0.3 MPa 0.8 MPa Operating pressure 3 bar 8 bar Design Piston gate valve Type of reset Mechanical spring CE mark (see declaration of conformity) 10 LK instructions for EMC To UK RoHS instructions Degree of protection 1666 Mounting position 0 potional Manual override 50 Soft Mounting position 0 Operating Pilot actuated Pilot actuated Pilot air supply Internal Index operating Pressure 3 bar 8 bar Design Piston gate valve To UK RoHS instructions Degree of protection 1766 Degree of protection 1866 Degree of protection 2866 Mounting position 2910 piloting 1810 actuated 1810 pilot pressure 1810 pilot pressure 1810 pilot pressure 1810 pilot pil	Feature	Value
Valve size 20 mm Standard nominal flow rate 510 l/min pneumatic working port 61/8 Operating voltage 24V DC Operating pressure 0.3 MPa 0.8 MPa Operating pressure 3 bar 8 bar Design Piston gate valve Type of reset Mechanical spring CE mark (see declaration of conformity) 10 LK instructions for EMC To UK RoHS instructions Degree of protection 1666 Mounting position 0 potional Manual override 50 Soft Mounting position 0 Operating Pilot actuated Pilot actuated Pilot air supply Internal Index operating Pressure 3 bar 8 bar Design Piston gate valve To UK RoHS instructions Degree of protection 1766 Degree of protection 1866 Degree of protection 2866 Mounting position 2910 piloting 1810 actuated 1810 pilot pressure 1810 pilot pressure 1810 pilot pressure 1810 pilot pil	Valve function	5/3-way, pressurised
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Operating pressure 3 bar 8 bar Design Piston gate valve Type of reset Mechanical spring Approval c UL us - Recognized (OL) CE mark (see declaration of conformity) To EU EMC Directive In accordance with EU RoHS Directive CE marking (see declaration of conformity) To UK instructions for EMC TO UK RoHS instructions Degree of protection IP65 In assembled state TO IEC 60529 Exhaust-air function With flow control option Sealing principle Soft Mounting position Optional Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol 00991031 Jap Overlap Signal status display yes Pilot pressure 0.3 MPa 0.8 MPa Pilot pressure 3 bar 8 bar Suitability for vacuum no Standard nominal flow rate with QS-8 \$10 I/min Switching time off 46 ms Switching time or 23 ms	Operating voltage	24V DC
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Pilot pressure 0.3 MPa 0.8 MPa Pilot pressure 3 bar 8 bar Suitability for vacuum no Standard nominal flow rate with QS-8 510 l/min Switching time off 46 ms Switching time on 11 ms Switching time reversal 23 ms	lap	Overlap
Pilot pressure 3 bar 8 bar Suitability for vacuum no Standard nominal flow rate with QS-8 510 l/min Switching time off 46 ms Switching time on 11 ms Switching time reversal 23 ms	Signal status display	yes
Suitability for vacuum Standard nominal flow rate with QS-8 Switching time off 46 ms Switching time on 11 ms Switching time reversal 23 ms	Pilot pressure	0.3 MPa 0.8 MPa
Standard nominal flow rate with QS-8 510 l/min Switching time off 46 ms Switching time on 11 ms Switching time reversal 23 ms	Pilot pressure	3 bar 8 bar
Switching time off 46 ms Switching time on 11 ms Switching time reversal 23 ms	Suitability for vacuum	no
Switching time on 11 ms Switching time reversal 23 ms	Standard nominal flow rate with QS-8	510 l/min
Switching time reversal 23 ms	Switching time off	46 ms
	Switching time on	11 ms
Max. positive test pulse with 0 signal 400 μs	Switching time reversal	23 ms
	Max. positive test pulse with 0 signal	400 μs

Feature	Value
Max. negative test pulse with 1 signal	900 μs
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	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
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	0.65 Nm
Product weight	325 g
Electrical connection	4-pin M8x1 Plugs To EN 60947-5-2
Type of mounting	With through-hole
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium