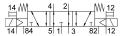
Solenoid valve VMPA1-M1H-E-M7-PI

Part number: 533380







Data sheet

Type of actuation Electric Valve size 10 mm Standard nominal flow rate 240 I/min pneumatic working port M7 Operating voltage Operating pressure 0.3 MPa0.8 MPa 3 bar8 bar Piston gate valve Type of reset Approval 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 Degree of protection IP65 In assembled state To IEC 60529 Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Detenting Non-detenting Pilot actuated Internal Flow direction Non-reversible Iap Positive overlap Signal status display Pilot pressure 3 asr8 bar Sustability for vacuum no Standard nominal flow rate with QS-6 240 I/min	Feature	Value
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Standard nominal flow rate pneumatic working port Operating voltage Operating pressure O	Type of actuation	Electric
pneumatic working port Operating voltage 24V DC Operating pressure 0,3 MPa0.8 MPa 3 bar8 bar Operating pressure 0,3 MPa0.8 MPa 3 bar8 bar Operating pressure 0,3 MPa0.8 MPa 3 bar8 bar Operating pressure Operative overlap Operating pressure Operative value Operating pressure Operative value Operating pressure Operating pressure Operations Operating pressure Operations Operating pressure Operations Operating pressure Operations Operations Operating pressure Operations Operating pressure Operations Operating pressure Operations Operating pressure Operations Operatio	Valve size	10 mm
Operating voltage Operating voltage Operating pressure Operative Operative Operation Operative Operation Opera	Standard nominal flow rate	240 l/min
Operating pressure Operating pressure Osign Piston gate valve Mechanical spring Approval 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 Ples In assembled state To IEC 60529 Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Detenting Non-detenting Type of piloting Pilot acruated Pilot air supply Internal Flow direction Non-reversible lap Positive overlap Signal status display yes Sultability for vacuum To UK non-Metal Share Sultability for vacuum To EU EMC Directive All us - Conformity Pilot racuum To UK instructions of EMC To UK ROHS instructions To EU EMC Directive Un Conformity To UK instructions for EMC To UK ROHS Directive Un UK ROHS Directive Un Conformity To UK instructions for EMC To UK ROHS Directive To UK ROHS Directive Out Non-tending Pilot acruated Pilot acruated Pilot acruated Pilot acruated Positive overlap Signal status display yes Signal status display To EU EMC Directive Out us - Conformity Out us - Conform	pneumatic working port	M7
Design Piston gate valve Type of reset Mechanical spring CE mark in unit function Degree of protection Degree of protection With flow control option Sealing principle Mounting position Manual override Detenting Pilot air supply Flow direction Internal Flow direction Non-reversible Internal Suitability for vacuum Standard nominal flow rate with QS-6 Sull was executed Mechanical spring Piston gate valve Mechanical spring Piston gate valve Mechanical spring Mechanical spring Piston gate valve Pis	Operating voltage	24V DC
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 ROHS instructions for EMC TO UK ROHS instructions Degree of protection IP65 In assembled state To IEC 60529 Exhaust-air function Sealing principle Soft Mounting position Optional Manual override Detenting Non-detenting Type of piloting Pilot acruated Pilot air supply Internal Flow direction Non-reversible lap Positive overlap Signal status display Pilot pressure 3 bar8 bar Suitability for vacuum no Standard nominal flow rate with QS-6 Z40 I/min	Operating pressure	
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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 Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot aris supply Internal Flow direction Non-reversible lap Signal status display Pilot pressure O.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum To EU EMC Directive In accordance with EU RoHS Directive In accordance with EU RoHS Directive In accordance with EU RoHS Directive In EMC Instructions Soft EMC To UK RoHS Directive In EMC Instructions Non-detentions Type of pilotions Non-reversible lap Positive overlap Signal status display yes Pilot pressure O.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Standard nominal flow rate with QS-6	Type of reset	Mechanical spring
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 lap Positive overlap Signal status display Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Standard nominal flow rate with QS-6 240 I/min	Approval	c UL us - Recognized (OL)
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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 lap Positive overlap Signal status display Pilot pressure O.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum Standard nominal flow rate with QS-6 With flow control option With flow control option Detenting Non-detenting Non	CE marking (see declaration of conformity)	
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Mounting position optional Manual override Detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Iap Positive overlap Signal status display yes Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum Standard nominal flow rate with QS-6 240 l/min	Exhaust-air function	With flow control option
Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible lap Positive overlap Signal status display Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Standard nominal flow rate with QS-6	Sealing principle	Soft
Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible lap Positive overlap Signal status display yes Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Standard nominal flow rate with QS-6 240 l/min	Mounting position	optional
Pilot air supply Internal Flow direction Non-reversible lap Positive overlap Signal status display yes Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Standard nominal flow rate with QS-6 240 l/min	Manual override	
Flow direction Non-reversible Positive overlap Signal status display Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Standard nominal flow rate with QS-6 240 l/min	Type of piloting	Pilot actuated
Positive overlap Signal status display Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Standard nominal flow rate with QS-6 240 l/min	Pilot air supply	Internal
Signal status display Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Standard nominal flow rate with QS-6 240 l/min	Flow direction	Non-reversible
Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Standard nominal flow rate with QS-6 240 l/min	lap	Positive overlap
3 bar8 bar Suitability for vacuum no Standard nominal flow rate with QS-6 240 l/min	Signal status display	yes
Standard nominal flow rate with QS-6 240 l/min	Pilot pressure	
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Switching time off 35 ms	Standard nominal flow rate with QS-6	240 l/min
	Switching time off	35 ms

Feature	Value
Switching time on	10 ms
Switching time reversal	15 ms
Max. positive test pulse with 0 signal	400 μs
Max. negative test pulse with 1 signal	200 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 °C40 °C
Media temperature	-5 °C50 °C
Relative air humidity	Max. 90% at 40°C
Ambient temperature	-5 °C50 °C
Max. tightening torque for valve mounting	0.25 Nm
Product weight	143 g
Electrical connection	4-pin M8x1 Plugs To EN 60947-5-2
Type of mounting	With through-hole
Pneumatic connection, port 1	M7
Pneumatic connection, port 2	M7
Pneumatic connection, port 3	M7
Pneumatic connection, port 4	M7
Pneumatic connection, port 5	M7
Note on materials	RoHS-compliant RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium