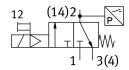
Solenoid valve VMPA14-M1H-IS-PI

Part number: 8126785







Data sheet

Electric Valve size 14 mm Signal status display Pilot air supply Filot pressure 3 a MPa0.8 MPa 3 bar8 bar One remissible voltage fluctuations First supply Filot pressure 10.3 MPa0.8 MPa 3 bar8 bar One free to Mechanical spring Poppet valve with spring return Mechanical spring Poppet valve with spring return Mechanical spring Popet valve with spring return Mechanical spring Pies In assembled state To IEC 60529 Soft Mounting position Optional Manual override Mounting position Optional Pilot actuated Pilot actuated Pilot air supply Internal Filot direction Non-reversible Underlap Signal status display Ves Pilot pressure O 3 MPa0.8 MPa 3 bar0.8 MPa 3 bar0.8 MPa 3 bar0.8 MPa 3 bar0.8 MPa Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation not possible Transport application test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Cases CRC	Feature	Value
Alive size 14 mm 161/8 Departing voltage 24V DC Operating pressure 3 bar8 bar Design Poppet valve with spring return Type of reset Mechanical spring Design principle Soft Mounting position Manual override Manual override Detenting Non-detenting Pilot actuated Pilot air supply Internal Blow direction Non-reversible underlap Underlap Design yes Design principle Compressure O 3 MPa0.8 MPa 3 bar8 bar Design principle Soft Mounting position Manual override Detenting Non-detenting Non-detenting Pilot actuated Pilot actuated Pilot air supply Internal Blow direction Non-reversible Underlap Underlap Pilot pressure O 3 MPa0.8 MPa 3 bar8 bar Departing medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation not possible Transport application test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 1 - Low corrosion stress	Valve function	3/2-way, closed, monostable
Sineumatic working port G1/8 Operating voltage Operating pressure O3 MPa0.8 MPa 3 bar8 bar Poppet valve with spring return Wechanical spring Degree of protection IP65 In assembled state To IEC 60529 Soft Wounting position Wanual override Manual override Operating Pilot air supply Internal Flow direction Anni-reversible Applications display Pilot pressure O3 MPa0.8 MPa 3 bar8 bar O3 MPa0.8 MPa 3 bar8 bar O3 MPa0.8 MPa 3 bar8 bar Occupanting medium Occupanting medium Compressed air to ISO 8573-1:2010 [7:4:4] Lubricated operating ned EN 942017-4 and EN 60068-2-27 Corrosion resistance Shock resistance Shock resistance Shock resistance Shock resistance Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC	Type of actuation	Electric
Departing voltage Departing pressure Design Design Poppet valve with spring return Proper freset Mechanical spring Degree of protection IP65 In assembled state To IEC 60529 Sealing principle Soft Mounting position Manual override Detenting Non-detenting Pilot actuated Pilot actuated Pilot actuated Pilot actuated Internal Internal Inderlap Underlap Signal status display Pilot pressure O.3 MPAO.8 MPa 3 bar 8 bar Departing medium Departing medium Non-operating and pilot medium Lubricated operation not possible Transport application test with severity level 2 to FN 942017-5 and EN 60068-2-27 Entorsoion resistance Shock resistance Shock resistance Shock resistance Lass CRC 1 - Low corrosion stress	Valve size	14 mm
Design Poper valve with spring return Poper of reset Mechanical spring Degree of protection IP65 In assembled state To IEC 60529 Sealing principle Soft Mounting position Optional Manual override Determing Pilot air supply Internal Pilot air supply Internal Pilot air supply Internal Pilot pressure O3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum Permissible voltage fluctuations Permissible voltage fluctuations Vibration resistance Shock resistance Case CRC Poperating Mehaman Mechanical spring return Mechanical spring return Mechanical spring return Mechanical spring Plo5 Internal Poperating preturn Mechanical spring Plo6 Internal Non-reversible Underlap Underlap Signal status display Ves 3 bar8 bar Source o3 MPa0.8 MPa 3 bar8 bar Source o1 Septiment o1 SO 8573-1:2010 [7:4:4] Underlap Source o2 Septiment o1 SO 8573-1:2010 [7:4:4] Underlap Source o3 MPa0 MPa Source o3 MPa0 MPa Source o4 Septiment o1 SO 8573-1:2010 [7:4:4] Underlap Source o4 Septiment o1 SO 8573-1:2010 [7:4:4] Underlap Source o4 Septiment o1 SO 8573-1:2010 [7:4:4] Underlap Source o4 Septiment o1 Source o4 Septiment o1 Source o4 Septiment o1 Source o4 Septiment o1	pneumatic working port	G1/8
Design Poppet valve with spring return Five of reset Mechanical spring Degree of protection Optional Manual override Manual override Detenting Non-detenting Pilot actuated Pilot air supply Internal Town direction Non-reversible Dunderlap Signal status display Pilot pressure O 3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum Degremissible voltage fluctuations Permissible voltage fluctuations Permissible voltage fluctuations Permissible voltage fluctuations Deparating medium Note on operating and pilot medium Lubricated operation not possible Vibration resistance Shock resistance 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	Operating voltage	24V DC
Mechanical spring Degree of protection December of protection December of protection Detection Detection Detecting Mounting position Detenting Non-detenting Detenting Non-detenting Detenting D	Operating pressure	
Degree of protection IP65 In assembled state To IEC 60529 Soft Mounting position Optional Manual override Detenting Non-detenting Filot actuated Pilot air supply Internal Flow direction Non-reversible ap Underlap Signal status display yes Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Souttability for vacuum Permissible voltage fluctuations +/- 25% Deparating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Shock resistance Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Torrosion resistance Cass CRC 1 - Low corrosion stress	Design	Poppet valve with spring return
In assembled state To IEC 60529 Soft Mounting position Optional Manual override Detenting Non-detenting Pilot actuated Pilot air supply Internal Flow direction Non-reversible ap Underlap Pilot pressure O, 3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum No Permissible voltage fluctuations Permissible voltage fluctuations Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Undersistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Torrosion resistance class CRC I - Low corrosion stress	Type of reset	Mechanical spring
Mounting position optional Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible ap Underlap Signal status display yes Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Permissible voltage fluctuations +/- 25% Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium 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	Degree of protection	In assembled state
Detenting Non-detenting Flot actuated Pilot actuated Pilot air supply Internal Flow direction Non-reversible ap Underlap Signal status display Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum Permissible voltage fluctuations 1/- 25% Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Uubricated operation not possible Vibration resistance Transport application test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Class CRC 1 - Low corrosion stress	Sealing principle	Soft
Non-detenting Pilot actuated Pilot air supply Internal Flow direction Non-reversible ap Underlap Signal status display Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Permissible voltage fluctuations 1/- 25% Deperating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation not possible Vibration resistance Transport application test with severity level 2 to FN 942017-5 and EN 60068-2-27 Eorrosion resistance Class CRC 1 - Low corrosion stress	Mounting position	optional
Internal Flow direction Non-reversible ap Underlap Signal status display yes Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Permissible voltage fluctuations +/- 25% Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation not possible 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 T- Low corrosion stress	Manual override	
Non-reversible In the property of the propert	Type of piloting	Pilot actuated
Underlap Signal status display yes Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Permissible voltage fluctuations +/- 25% Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Uibration 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	Pilot air supply	Internal
Signal status display yes 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Permissible voltage fluctuations +/- 25% Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Uibration 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	Flow direction	Non-reversible
Pilot pressure 0.3 MPa0.8 MPa 3 bar8 bar Suitability for vacuum no Permissible voltage fluctuations +/- 25% Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Lubricated operation not possible 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	lap	Underlap
3 bar8 bar Suitability for vacuum no Permissible voltage fluctuations +/- 25% Deparating medium Compressed air to ISO 8573-1:2010 [7:4:4] Lubricated operation not possible 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	Signal status display	yes
Permissible voltage fluctuations +/- 25% Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation not possible 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	Pilot pressure	
Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium 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	Suitability for vacuum	no
Note on operating and pilot medium Lubricated operation not possible 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	Permissible voltage fluctuations	+/- 25%
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	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
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	Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance class CRC 1 - Low corrosion stress	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
ADS (DIAIS) conformity.	Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity VDMAZ4364 zone in	LABS (PWIS) conformity	VDMA24364 zone III
Storage temperature -20 °C60 °C	Storage temperature	-20 °C60 °C

Feature	Value
Media temperature	-5 °C50 °C
Relative air humidity	Max. 90% at 40°C
Ambient temperature	-5 ℃50 ℃
Max. tightening torque for valve mounting	0.25 Nm
Product weight	36 g
Type of mounting	With through-hole
Pilot exhaust port 82/84	Internal
Pneumatic connection, port 1	Internal
Pneumatic connection, port 2	Internal
Pneumatic connection, port 3	G1/8
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	PPA reinforced
Material screws	Coated steel