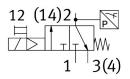
Solenoid valve VMPA14-M1H-IU-PI

Part number: 8126787







General operating condition

Data sheet

Actuation type Electrical Jame Jame Jame Jame Jame Jame Jame Jam	Feature	Value
Alve size Preumatic working port G1/8 Deprating yoltage 24V DC Deprating pressure 0.3 MPa 0.8 MPa Deprating pressure 3 bar 8 bar Structural design Poppet valve with return spring Reset method Mechanical spring Pege of protection IP65 In mounted state as per IEC 60529 Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Pilot-controlled Pilot control Pilot air supply port Internal Clow direction Non-reversible Symbol 00997584ap Underlap Jeilot pressure MPa 0.3 MPa 0.8 MPa 3 bar 8 bar Sultability for vacuum no Permissible voltage fluctuations 1-/- 25 % Deperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation sistance Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test sistance Shock test swith severity level 2 as per FN 942017-5 and EN 60068-2-27 CARS (PWIS) conformity VDMA24364 zone III Storage temperature -20 °C 60 °C	Valve function	3/2, closed, monostable
Preumatic working port Deparating voltage 24V DC Deparating pressure 0.3 MPa 0.8 MPa Deparating pressure 3 bar 8 bar Structural design Poppet valve with return spring Reset method Degree of protection IP65 In mounted state as per IEC 60529 Sealing principle Soft Mounting position Manual override Detenting Non-detenting Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Symbol O997584 Lap Underlap Underlap Pisitatus display yes Sultatus display yes Sultability for vacuum Permissible voltage fluctuations 1/- 25 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Thornation on operating and pilot media Operation with osi the severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance LABS (PWIS) conformity VDMA24364 20ne III Storage temperature 20 °C 60 °C	Actuation type	Electrical
Deperating voltage Deperating pressure One and pressure Deperating pressure 3 bar 8 bar Perpet valve with return spring Reset method Degree of protection Pergree of protection Manual override Mounting position Manual override Detenting Non-detenting Pilot-controlled Pilot air supply port Internal How direction Non-reversible Dogressure MPa Pilot pressure 3 bar 8 bar Pulot pressure MPa Despinal status display Pilot pressure 3 bar 8 bar Suitability for vacuum no Permissible voltage fluctuations 4/- 25 % Deperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation method Endow despinal status with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock resistance Shock resistance Corrosion resistance PILON 20 C 60 °C VDMA24364 20ne III Storage temperature 20 °C 60 °C VDMA24364 20ne III Storage temperature 20 °C 60 °C	Valve size	14 mm
Deprating pressure Deprating pressure Deprating pressure 3 bar 8 bar Structural design Poppet valve with return spring Mechanical spring Degree of protection IP65 In mounted state as per IEC 60529 Sealing principle Soft Mounting position Manual override Detenting Non-detenting Vipe of control Pilot-controlled Pilot air supply port Internal Non-reversible Symbol O997584 Underlap Signal status display yes Pilot pressure MPa O, 3 MPa 0.8 MPa Ditot pressure Suitability for vacuum no Permissible voltage fluctuations +/- 25 % Deparating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation visible serving level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance Shock resistance Shock resistance class (CRC) Lab Compression stress VDMA24364 zone III Storage temperature -20 °C 60 °C	Pneumatic working port	G1/8
Structural design Poppet valve with return spring	Operating voltage	24V DC
Reset method Re	Operating pressure	0.3 MPa 0.8 MPa
Reset method Mechanical spring IP65 In mounted state as per IEC 60529 Sealing principle Soft Mounting position Manual override Mounting position Manual override Pilot-controlled Pilot air supply port Internal Iow direction Non-reversible Symbol App Underlap Signal status display yes Pilot pressure MPa Disprasure Suitability for vacuum Permissible voltage fluctuations Permissible voltage fluctuations Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media (Ioperation with oil lubrication not possible Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock resistance Shock resistance Shock sest with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 1 - Low corrosion stress VDMA24364 zone III Storage temperature -20 °C 60 °C	Operating pressure	3 bar 8 bar
Degree of protection IP65 In mounted state as per IEC 60529 Soft Mounting position Any Manual override Detenting Non-detenting Pilot-controlled Internal Pilot air supply port Internal Power of Mounting Dogs And Dogs A	Structural design	Poppet valve with return spring
In mounted state as per IEC 60529 Sealing principle Mounting position Any Manual override Detenting Non-detenting Non-detenting Sippe of control Pilot controlled Pilot air supply port Internal Row direction Non-reversible Symbol 00997584 Lap Underlap Signal status display Piot pressure MPa O.3 MPa 0.8 MPa Politot pressure 3 bar 8 bar Suitability for vacuum Permissible voltage fluctuations 1/- 25 % Deparating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication not possible Kitoration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-67 Shock resistance Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III Storage temperature	Reset method	Mechanical spring
Mounting position Manual override Detenting Non-detenting Pilot-controlled Pilot air supply port Internal Row direction Non-reversible Symbol O997584 Lap Underlap Signal status display Pilot pressure MPa Pilot pressure MPa Pilot pressure 3 bar 8 bar Suitability for vacuum Permissible voltage fluctuations Permissible voltage fluctuations Permissible voltage fluctuations Any Manual override Non-detenting Non-detenting Non-reversible O997584 Underlap yes O.3 MPa 0.8 MPa Pilot pressure MPa O.3 MPa 0.8 MPa Pilot pressure Operating fluctuations Permissible voltage fluctuations +/- 25 % Operating medium Operating medium Operation on operating and pilot media Vibration resistance Shock resistance Shock resistance Shock test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364 zone III Storage temperature	Degree of protection	In mounted state
Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Plow direction Non-reversible Symbol O0997584 Lap Underlap Signal status display Pilot pressure MPa O1.3 MPa 0.8 MPa Pilot pressure Suitability for vacuum Permissible voltage fluctuations Permissible vol	Sealing principle	Soft
Non-detenting Flye of control Pilot air supply port Internal Flow direction Non-reversible Symbol O0997584 Lap Underlap Signal status display Pilot pressure MPa O1.3 MPa 0.8 MPa Suitability for vacuum Permissible voltage fluctuations Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Shock resistance Shock resistance Shock resistance Corrosion resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364 zone III Storage temperature	Mounting position	Any
Pilot air supply port Internal Non-reversible Symbol O0997584 Lap Underlap Signal status display Pilot pressure MPa O.3 MPa 0.8 MPa Pilot pressure 3 bar 8 bar Suitability for vacuum Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication not possible Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance Shock sesistance Shock cesistance The Corrosion resistance class (CRC) 1 - Low corrosion stress VDMA24364 zone III Storage temperature -20 °C 60 °C	Manual override	<u> </u>
Non-reversible Symbol 00997584 Lap Underlap Signal status display yes Pilot pressure MPa 0.3 MPa 0.8 MPa Pilot pressure MPa 0.3 MPa 0.8 MPa Suitability for vacuum no Permissible voltage fluctuations +/- 25 % Deperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication not possible Wibration 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 zone III Storage temperature -20 °C 60 °C	Type of control	Pilot-controlled
Symbol 00997584 Lap Underlap Signal status display yes Pilot pressure MPa 0.3 MPa 0.8 MPa Pilot pressure MPa 0.3 MPa 0.8 MPa Suitability for vacuum no 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 not possible with application 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 zone III Storage temperature -20 °C 60 °C	Pilot air supply port	Internal
Underlap Signal status display yes Pilot pressure MPa 0.3 MPa 0.8 MPa 3 bar 8 bar Suitability for vacuum no Permissible voltage fluctuations +/- 25 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media 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 ABS (PWIS) conformity VDMA24364 zone III 5torage temperature -20 °C 60 °C	Flow direction	Non-reversible
yes Pilot pressure MPa 0.3 MPa 0.8 MPa 3 bar 8 bar 5uitability for vacuum no Permissible voltage fluctuations 1/- 25 % Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media 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 ABS (PWIS) conformity VDMA24364 zone III 5torage temperature -20 °C 60 °C	Symbol	00997584
Pilot pressure MPa 0.3 MPa 0.8 MPa 3 bar 8 bar Suitability for vacuum no Permissible voltage fluctuations +/- 25 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media 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 ABS (PWIS) conformity VDMA24364 zone III Storage temperature -20 °C 60 °C	Lap	Underlap
Pilot pressure 3 bar 8 bar Suitability for vacuum no Permissible voltage fluctuations +/- 25 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] nformation on operating and pilot media 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 zone III Storage temperature -20 °C 60 °C	Signal status display	yes
Suitability for vacuum Permissible voltage fluctuations +/- 25 % Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media 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 zone III 5torage temperature -20 °C 60 °C	Pilot pressure MPa	0.3 MPa 0.8 MPa
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 not possible 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 zone III Storage temperature -20 °C 60 °C	Pilot pressure	3 bar 8 bar
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication not possible 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 ABS (PWIS) conformity VDMA24364 zone III Storage temperature -20 °C 60 °C	Suitability for vacuum	no
Operation with oil lubrication not possible 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 ABS (PWIS) conformity VDMA24364 zone III Storage temperature -20 °C 60 °C	Permissible voltage fluctuations	+/- 25 %
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 ABS (PWIS) conformity VDMA24364 zone III Storage temperature -20 °C 60 °C	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
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 ABS (PWIS) conformity VDMA24364 zone III Storage temperature -20 °C 60 °C	Information on operating and pilot media	Operation with oil lubrication not possible
Corrosion resistance class (CRC) 1 - Low corrosion stress VDMA24364 zone III Storage temperature -20 °C 60 °C	Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
ABS (PWIS) conformity VDMA24364 zone III -20 °C 60 °C	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Storage temperature -20 °C 60 °C	Corrosion resistance class (CRC)	1 - Low corrosion stress
	LABS (PWIS) conformity	VDMA24364 zone III
Temperature of medium -5 °C 50 °C	Storage temperature	-20 °C 60 °C
5 Cm 50 C	Temperature of medium	-5 ℃ 50 ℃
Relative air humidity Max. 90 % at 40 °C	Relative air humidity	Max. 90 % at 40 °C

Feature	Value
Ambient temperature	-5 ℃ 50 ℃
Max. tightening torque for valve mounting	0.25 Nm
Product weight	36 g
Min. switch-off point	0.05 bar
Switch-on point	0.2 bar
Max. switch-on point	0.3 bar
Type of mounting	With through-hole
Pilot exhaust air port 82/84	Internal
Pneumatic connection 1	Internal
Pneumatic connection 2	Internal
Pneumatic connection 3	G1/8
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	PPA-reinforced
Material of screws	Steel, coated