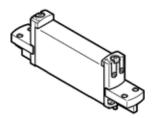
solenoid valve VUVG-B14-T32H-AZ-F-P1 Part number: 8033537



Data sheet

Valve finction 28/2 open/closed, monostable Type of actuation electrical Valve size 14 mm Standard nominal flow rate 510 \$80 l/min Operating pressure MPa 0.15 1 MPa Operating pressure 1.5 10 bar Design structure Piston side Type of rest Air spring Authorisation C Ll us - Recognized (01) Certificate issuing department UL MH19482 Protection class IP65 Verificate issuing department UL MH19482 Protection class IP64 Seeiing principle soft Assembly position Any Type of piloting Piloted Pilot arisupply external Overlap O.15 0.8 MPa Pilot pressure MPa 0.15 0.8 MPa Pilot pressure MPa O.15 0.8 MPa Pilot pressure MPa 0.15 0.8 MPa Pilot pressure MPa 0.15 0.8 MPa Pilot pressure MPa 0.15 0.8 MPa Operating medium No Swit	Feature	Value
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Standard nominal flow rate 510580 l/min Operating pressure MPa 0.151 MPa Operating pressure 1.510 bar Design structure Piston slide Type of reset: Air spring Authorisation c. UL.us - Recognized (OL) Certificate issuing department UL MH19482 Protection class IP65 Nominal size 4.6 mm Exhaust-ait function throttleable Sealing principle soft Assembly position Any Type of piloting Piloted Pilot pressure MPa 0.150.8 MPa Outral of the overlap Positive overlap Pilot pressure MPa 0.150.8 MPa Pilot pressure MPa 0.150.8 MPa Suitability for vacuum No Switching time on 11 ms Duty cycle 100 %. Max. positive test pulse with logic 0 700 µs Max. negative test pulse with logic 1 900 µs Operating medium Compressed air in accordance with FN 942017-4 and EN 60068-2-6 Shock test sublase with logic 1 900 µs Operating medium Compressed air in accordance with FN 942017-5 and EN 60068-2-6 Shock test sublase with logic 1 900 µs Max. negative test pulse wit	Type of actuation	electrical
Operating pressure MPa 0.151 MPa Operating pressure 1.51 0 bar Design structure Piston slide Type of reset Air spring Authorisation CU Us - Recognized (OL) Certificate issuing department UL MH19482 Protection class With electric pilot valve and plug socket Nominal size 4.6 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Type of piloting Piloted Pilot air supply external Overlap Positive overlap Pilot pressure 1.5 8 bar Suitability for vacuum No Switching time on 11 ms Duty cycle 100 % Max. negative test pulse with logic 0 700 µs Max. negative test pulse with logic 1 900 µs Operating medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequent) required for further operation) Vibration resistance Shock test	Valve size	14 mm
Operating pressure 1.5 10 bar Design structure Piston silde Type of reset Air spring Authorisation C UL us - Recognized (QL) Certificate issuing department UL MH19482 Protection class IP65 Nominal size A.6.mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Type of ploting Piloted Pilot air supply external Overlap Positive overlap Plot ressure MPa 0.150.8 MPa Pilot pressure 1.58 bar Switchigt time on 11 ms Duty cycle 100 % Max, negative test pulse with logic 0 700 µs Max, negative test pulse with logic 1 900 µs Operating and pilot medium Compressed ir in accordance with IS08573-1:2010 [7:4:4] Vibration resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock test with severity level 2 in accordance with FN 942017-5 and E	Standard nominal flow rate	510 580 l/min
Operating pressure 1.5 10 bar Design structure Piston slide Type of reset Air spring Authorisation C UL us - Recognized (OL) Certificate issuing department UL WH19482 Protection class IP65 With electric pilot valve and plug socket Mominal size Exhaust-air function throttleable Sealing principle soft Assembly position Any Type of piloting Piloted Pilot air supply external Overlap Positive overlap Pilot pressure MPa 0.15 0.8 MPa Pilot pressure MPa 10 %. Switching time on 11 ms Duty cycle 100 %. Max, negative test pulse with logic 0 700 µs Max, negative test pulse with logic 1 900 µs Operating medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60058-2-6 Shock tesistance classification CRC 2 -	Operating pressure MPa	
Type of reset Air spring Authorisation c UL us - Recognized (OL) Certificate issuing department UL Wh19482 Protection class IP65 With electric pilot valve and plug socket With electric pilot valve and plug socket Nominal size 4.6 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Type of piloting Piloted Pilot air supply external Overlap Positive overlap Pilot pressure MPa 0.15 0.8 MPa Pilot pressure MPa 1.1 ms Switching time off 18 ms Switching time off 18 ms Switching time off 100 % Max. positive test pulse with logic 0 700 µs Operating medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance classification CRC		1.5 10 bar
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Protection class IP65 With electric pilot valve and plug socket Nominal size 4.6 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Type of piloting Piloted Pilot air supply external Overlap Positive overlap Pilot pressure MPa 0.15 0.8 MPa Pilot pressure for fill the ond 18 ms Switching time off 18 ms Switching time off 18 ms Switching time on 11 ms Duty cycle 100 % Max. negative test pulse with logic 0 700 µs Max. negative test pulse with logic 1 900 µs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Notar on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 6068-2-27 Corrosion resistance classification CRC 2 -Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 60 °C <	Authorisation	c UL us - Recognized (OL)
With electric pilot valve and plug socket Nominal size 4.6 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Type of piloting Piloted Pilot air supply external Overlap Positive overlap Pilot pressure MPa 0.15 0.8 MPa Pilot pressure MPa 1.5 8 bar Switching time off 18 ms Switching time off 18 ms Switching time on 11 ms Duty cycle 100 % Max. negative test pulse with logic 0 700 µs Max. negative test pulse with logic 1 900 µs Operating medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Fransport application test at severity level 2 in accordance with FN 942017-6 and EN 60068-2-6 Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion stress PWIS conformity VDMA24364-81/82-L Medium temperature	Certificate issuing department	UL MH19482
Exhaust-air function throttleable Sealing principle soft Assembly position Any Type of piloting Piloted Pilot air supply external Overlap Positive overlap Pilot pressure MPa 0.150.8 MPa Pilot pressure MPa 0.150.8 MPa Suitability for vacuum No Switching time off 18 ms Switching time off 18 ms Switching time off 100 % Max. negative test pulse with logic 0 700 µs Max. negative test pulse with logic 1 900 µs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-81/B2-L Medium temperature -5 60 °C Productt weight 65 g	Protection class	-
Sealing principle soft Assembly position Any Type of piloting Piloted Pilot air supply external Overlap Positive overlap Pilot pressure MPa 0.15 0.8 MPa Pilot pressure 1.5 8 bar Suitability for vacuum No Switching time off 18 ms Duty cycle 100 % Max. negative test pulse with logic 0 700 µs Operating medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-77 Corrosion resistance classification CRC 2 · Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-1 Medium temperature -5 60 °C Pilot medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Ambient temperature -5 60 °C Pilot medium Compressed air in accordance with FN 942017-5 and EN 60068-2-6 <	Nominal size	
Assembly positionAnyType of pliotingPilotedPilot air supplyexternalOverlapPositive overlapPilot pressure MPa0.15 0.8 MPaPilot pressure1.5 8 barSuitability for vacuumNoSwitching time off18 msSwitching time on11 msDuty cycle100 %Max. positive test pulse with logic 0700 µsMax. negative test pulse with logic 1900 µsOperating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumUubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 . Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CPilot mediumCompressed air in accordance	Exhaust-air function	throttleable
Assembly positionAnyType of pliotingPilotedPilot air supplyexternalOverlapPositive overlapPilot pressure MPa0.15 0.8 MPaPilot pressure1.5 8 barSuitability for vacuumNoSwitching time off18 msSwitching time on11 msDuty cycle100 %Max. positive test pulse with logic 0700 µsMax. negative test pulse with logic 1900 µsOperating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumUubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 . Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CPilot mediumCompressed air in accordance	Sealing principle	soft
Pilot air supply external Overlap Positive overlap Pilot pressure MPa 0.15 0.8 MPa Pilot pressure 1.5 8 bar Suitability for vacuum No Switching time off 18 ms Switching time on 11 ms Duty cycle 100 % Max. nositive test pulse with logic 0 700 μs Max. negative test pulse with logic 1 900 μs Operating medium Compressed air in accordance with IS08573-1:2010[7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Shock test with severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 60 °C Pilot medium Compressed air in accordance with IS08573-1:2010[7:4:4] Amberint temperature -5 60 °C Product weight 65 g Electrical connection Via electric pilot valve	Assembly position	Any
OverlapPositive overlapPilot pressure MPa0.15 0.8 MPaPilot pressure MPa1.5 8 barSuitability for vacuumNoSwitching time off18 msSwitching time on11 msDuty cycle100 %Max. nositive test pulse with logic 0700 µsMax. nogative test pulse with logic 1900 µsOperating mediumCompressed air in accordance with ISO8573-1:2010[7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceShock test with severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CProduct weight65 gElectrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Materials noteConforms to RoHSMaterials noteConforms to RoHS	Type of piloting	Piloted
Pilot pressure 0.15 0.8 MPa Pilot pressure 1.5 8 bar Suitability for vacuum No Switching time off 18 ms Switching time on 11 ms Duty cycle 100 % Max. negative test pulse with logic 1 900 µs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Shock test with severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 60 °C Pilot medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Ambient temperature -5 60 °C Pilot medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Ambient temperature -5 60 °C Pilot medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Ambient temperature -5 60 °C Piodu t	Pilot air supply	external
Pilot pressure 1.5 8 bar Suitability for vacuum No Switching time off 18 ms Switching time on 11 ms Duty cycle 100 % Max. negative test pulse with logic 0 700 µs Max. negative test pulse with logic 1 900 µs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Queration possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 · Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 60 °C Product weight 65 g Electrical connection Via electric pilot valve Mounting type on manifold rail Pilot interface According to ISO 15218 Materials note Conforms to ROHS </td <td>Overlap</td> <td>Positive overlap</td>	Overlap	Positive overlap
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Duty cycle100 %Max. positive test pulse with logic 0700 µsMax. negative test pulse with logic 1900 µsOperating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-77Corrosion resistance classification CRC2 · Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CProduct weight65 gElectrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Material sealsHNBR	Switching time off	18 ms
Max. positive test pulse with logic 0700 μsMax. negative test pulse with logic 1900 μsOperating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 · Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CProduct weight65 gElectrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Materials noteConforms to RoHSMaterial sealsHNBR	Switching time on	11 ms
Max. negative test pulse with logic 1900 μsOperating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 · Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CProduct weight65 gElectrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Materials noteConforms to RoHS	Duty cycle	100 %
Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CProduct weight65 gElectrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Materials noteConforms to RoHSMaterial sealsHNBR	Max. positive test pulse with logic 0	700 μs
Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CPilot mediumCompressed air in accordance with IS08573-1:2010 [7:4:4]Ambient temperature-5 60 °CProduct weight65 gElectrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Material sealsHNBR		900 µs
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942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CProduct weight65 gElectrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Materials noteConforms to RoHSMADERHNBR	Note on operating and pilot medium	
60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010[7:4:4]Ambient temperature-5 60 °CProduct weight65 gElectrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Materials noteConforms to RoHSMaterial sealsHNBR	Vibration resistance	
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Medium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CProduct weight65 gElectrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Materials noteConforms to RoHSMaterial sealsHNBR	Corrosion resistance classification CRC	2 - Moderate corrosion stress
Pilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CProduct weight65 gElectrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Materials noteConforms to RoHSMaterial sealsHNBR	PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature-5 60 °CProduct weight65 gElectrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Materials noteConforms to RoHSMaterial sealsHNBR	Medium temperature	-
Product weight65 gElectrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Materials noteConforms to RoHSMaterial sealsHNBR	Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Electrical connectionVia electric pilot valveMounting typeon manifold railPilot interfaceAccording to ISO 15218Materials noteConforms to RoHSMaterial sealsHNBR	Ambient temperature	-5 60 °C
Mounting type on manifold rail Pilot interface According to ISO 15218 Materials note Conforms to RoHS Material seals HNBR	Product weight	65 g
Pilot interface According to ISO 15218 Materials note Conforms to RoHS Material seals HNBR	Electrical connection	Via electric pilot valve
Materials note Conforms to RoHS Material seals HNBR	Mounting type	on manifold rail
Material seals HNBR	Pilot interface	
	Materials note	Conforms to RoHS
	Material seals	
Material housing Wrought Aluminium alloy	Material housing	

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