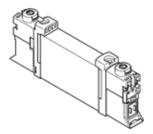
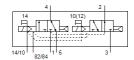
## solenoid valve VUVG-B10-T32H-AZT-F-1P3 Part number: 566489







## **Data sheet**

60068-2-27	Feature	Value
Image: Property of actuation   Property of actual   Property of actual	Valve function	2x3/2 open/closed, monostable
Valve size Standard nominal flow rate Oberating pressure 1.5	Type of actuation	· · · · · · · · · · · · · · · · · · ·
Design structure	71	10 mm
Design structure	Standard nominal flow rate	150 170 l/min
Design structure Type of reset Authorisation Protection class class protection class Protection class	Operating pressure	•
Type of reset Authorisation RCM Mark c CSA us (OI) c UL us - Recognized (OL) Protection class IP40 IP65 with plug socket Nominal size Exhaust-air function throttleable Sealing principle Assembly position Any Manual override detenting Pushing Covered Type of piloting Piloted Pilot air supply external Overlap Positive overlap Pilot pressure 1.5 8 bar Suitability for vacuum No Switching time on Duty cycle Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 900 us Max. positive test pulse with logic 1 900 us Max. positive test pulse with logic 1 900 us Max. positive test pulse with logic 1 Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubricated operation besides (subsequently required for further operation) Vibration resistance Shock sesitance Shock resistance		Piston slide
Authorisation  RCM Mark		Air spring
c UL us - Recognized (OL)  Protection class  IP40 IP65 with plug socket  Nominal size 2.7 mm  Exhaust-air function throttleable  Sealing principle Sealing principle Assembly position Any Manual override detenting Pushing Covered  Type of piloting Pilot air supply external Overlap Pilot air supply Positive overlap Pilot pressure 1.5 8 bar Suitability for vacuum No Switching time off 16 ms Switching time on Switching time on Duty cycle 100 %  Max. positive test pulse with logic 0 770 us Max. negative test pulse with logic 1 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 Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature  Shock resistance Shock resistance Shock resistance Shock resistance Shock resit hes verity level 2 in accordance with FN 942017-5 and EN 60068-2-27		
Protection class    IP40   IP65   With plug socket		c CSA us (OL)
Protection class    IP40   IP65   With plug socket		c UL us - Recognized (OL)
IP65 with plug socket  Nominal size  Exhaust-air function  throttleable  Sealing principle  Assembly position  Manual override  Manual override  Type of piloting  Pilot air supply  Overlap  Plot air supply  Positive overlap  Pilot pressure  Suitability for vacuum  No  Switching time off  Switching time on  Duty cycle  Max. positive test pulse with logic 0  Max. negative test pulse with logic 1  Characteristic coil data  24 V DC: 1 W  Operating medium  Note on operating and pilot medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Ubricated operation possible (subsequently required for further operation)  Vibration resistance  Transport a BN Course with FN 942017-5 and EN 60068-2-27  Without holding current reduction  Shock resistance  Shock resistance  Shock resistance  Shock resistance  Shock resistance  Shock resistin severity level 2 in accordance with FN 942017-5 and EN 60068-2-27	Protection class	
with plug socket  Nominal size  Exhaust-air function  Sealing principle  Assembly position  Manual override  detenting Pushing Covered  Type of piloting  Pilot air supply  Overlap  Pilot pressure  1.5 8 bar  Suitability for vacuum  No  Switching time off  Switching time off  Max. nogsitive test pulse with logic 0  Max. nogsitive test pulse with logic 1  Ohazacteristic coil data  24 V DC: 1 W  Permissible voltage fluctuation  Operating medium  Note on operating and pilot medium  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium temperature  Shock resistance  Shock resistance  Shock resistance  Shock resistance  Shock sets with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		
Nominal size   2.7 mm		
Exhaust-air function throttleable soft soft soft Assembly position Any Manual override detenting Pushing Covered Piloted Pilot air supply external Positive overlap Pilot pressure 1.5 8 bar Suitability for vacuum No Switching time off 16 ms Switching time off 16 ms Switching time off 16 ms Duty cycle 100 % Max. positive test pulse with logic 0 700 µs Max. negative test pulse with logic 1 990 µs Characteristic coil data 24 V DC: 1 W 24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W Permissible voltage fluctuation 4 /- 10 % 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 Thou PA2017-5 and EN 60068-2-27	Nominal size	1 9
Sealing principle  Assembly position  Any  Manual override  detenting Pushing Covered  Type of piloting  Piloted  Piloted  Piloted  Positive overlap  Positive overlap  Pilot pressure  1.5 8 bar  Suitability for vacuum  No Switching time off  16 ms  Switching time on  Duty cycle  Max. positive test pulse with logic 0  Max. negative test pulse with logic 1  Characteristic coil data  24 V DC: 1 W  Permissible voltage fluctuation  4/-10 %  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Vibration resistance  Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27  Shock resistance  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		
Assembly position  Manual override  detenting Pushing Covered  Type of piloting Pilot air supply Pilot persure 1.5 8 bar  Suitability for vacuum No Switching time off Switching time on Duty cycle Max. positive test pulse with logic 0 Max. negative test pulse with logic 1  Characteristic coil data 24 V DC: 1 W 26 V DC: 100 (Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium Vibration resistance  Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-27  Shock resistance  Any detenting Pushing Covered Lovered Lo		
Manual override    detenting   Pushing   Covered		
Pushing Covered  Type of piloting Piloted Pilot air supply external Overlap Positive overlap Pilot pressure 1.5 8 bar Suitability for vacuum No Switching time off 16 ms Switching time on Duty cycle 100 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 900 µs Characteristic coil data 24 V DC: 1 W 24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W Permissible voltage fluctuation V-/- 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		•
Type of piloting Piloted Pilot dair supply external Overlap Positive overlap Pilot pressure 1.5 8 bar Suitability for vacuum No Switching time off 16 ms Switching time on Duty cycle 100 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 900 µs Characteristic coil data 24 V DC: 1 W 24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Uibracted operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27	Manual Override	
Type of piloting       Piloted         Pilot air supply       external         Overlap       Positive overlap         Pilot pressure       1.5 8 bar         Suitability for vacuum       No         Switching time off       16 ms         Switching time on       6 ms         Duty cycle       100 %         Max. positive test pulse with logic 0       700 μs         Max. negative test pulse with logic 1       900 μs         Characteristic coil data       24 V DC: 1 W         24 V DC: low-current phase 0.3 W, high-current phase 1.0 W         Permissible voltage fluctuation       +/ · 10 %         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       Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6         Restriction ambient and medium temperature       -5 - 50 ° C         Without holding current reduction         Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		
Pilot air supply       external         Overlap       Positive overlap         Pilot pressure       1.5 8 bar         Suitability for vacuum       No         Switching time off       16 ms         Switching time on       6 ms         Duty cycle       100 %         Max. positive test pulse with logic 0       700 μs         Max. negative test pulse with logic 1       900 μs         Characteristic coil data       24 V DC: 1 W         Permissible voltage fluctuation       4/- 10 %         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       Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6         Restriction ambient and medium temperature       -5 - 50 °C         Without holding current reduction         Shock resistance       Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27	Tuno of piloting	
Overlap       Positive overlap         Pilot pressure       1.5 8 bar         Suitability for vacuum       No         Switching time off       16 ms         Switching time on       6 ms         Duty cycle       100 %         Max. positive test pulse with logic 0       700 μs         Max. negative test pulse with logic 1       900 μs         Characteristic coil data       24 V DC: l W         24 V DC: low-current phase 0.3 W, high-current phase 1.0 W         Permissible voltage fluctuation       +/- 10 %         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 resistance         Vibration resistance       Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6         Restriction ambient and medium temperature       -5 - 50 °C         Without holding current reduction         Shock resistance       Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27	77 7 =	
Pilot pressure  1.5 8 bar  Suitability for vacuum  No  Switching time off  16 ms  Switching time on  06 ms  Duty cycle  100 %  Max. positive test pulse with logic 0  700 μs  Max. negative test pulse with logic 1  Characteristic coil data  24 V DC: 1 W  24 V DC: 1 W  Permissible voltage fluctuation  1-/- 10 %  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Uibration resistance  Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		
Suitability for vacuum  Switching time off  16 ms  Switching time on  6 ms  Duty cycle  100 %  Max. positive test pulse with logic 0  700 µs  Max. negative test pulse with logic 1  Characteristic coil data  24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W  Permissible voltage fluctuation  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Uibration resistance  Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		<u>'</u>
Switching time off       16 ms         Switching time on       6 ms         Duty cycle       100 %         Max. positive test pulse with logic 0       700 μs         Max. negative test pulse with logic 1       900 μs         Characteristic coil data       24 V DC: 1 W         Permissible voltage fluctuation       +/- 10 %         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       Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6         Restriction ambient and medium temperature       -5 - 50 °C Without holding current reduction         Shock resistance       Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27	•	
Switching time on  Duty cycle  100 %  Max. positive test pulse with logic 0  700 μs  Max. negative test pulse with logic 1  Characteristic coil data  24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W  Permissible voltage fluctuation  +/- 10 %  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  Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		
Duty cycle100 %Max. positive test pulse with logic 0700 μsMax. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 WPermissible voltage fluctuation+/- 10 %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 60068-2-6Restriction ambient and medium temperature-5 - 50 °C Without holding current reductionShock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		
Max. positive test pulse with logic 0700 μsMax. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 WPermissible voltage fluctuation+/- 10 %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 60068-2-6Restriction ambient and medium temperature-5 - 50 °C Without holding current reductionShock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		
Max. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 WPermissible voltage fluctuation+/- 10 %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 60068-2-6Restriction ambient and medium temperature-5 - 50 °C Without holding current reductionShock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		
Characteristic coil data  24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W  Permissible voltage fluctuation  +/- 10 %  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  Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature  -5 - 50 °C  Without holding current reduction  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		·
24 V DC: low-current phase 0.3 W, high-current phase 1.0 W  Permissible voltage fluctuation +/- 10 %  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 Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature -5 - 50 °C  Without holding current reduction  Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27	·	•
Permissible voltage fluctuation +/- 10 %  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 Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature -5 - 50 °C  Without holding current reduction  Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27	Characteristic coil data	
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  Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature  -5 - 50 °C  Without holding current reduction  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		
Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  Vibration resistance  Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature  -5 - 50 °C  Without holding current reduction  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		•
operation)  Vibration resistance  Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6  Restriction ambient and medium temperature  -5 - 50 °C  Without holding current reduction  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27		
942017-4 and EN 60068-2-6  Restriction ambient and medium temperature  -5 - 50 °C  Without holding current reduction  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27	Note on operating and pilot medium	operation)
Without holding current reduction  Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27	Vibration resistance	
Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27	Restriction ambient and medium temperature	
	Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN
Corrosion resistance classification CRC 2 - Moderate corrosion stress	Corrosion resistance classification CRC	2 - Moderate corrosion stress
Medium temperature -5 60 °C		
Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]	· · · · · · · · · · · · · · · · · · ·	
Ambient temperature -5 60 °C		



Feature	Value
Product weight	55 g
Electrical connection	Via electrical connection plate
Mounting type	on manifold rail
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Wrought Aluminium alloy