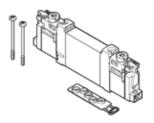
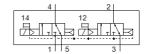
solenoid valve VUVG-BK10-T32C-AT-F-1H2L-S Part number: 8042554 Core product range







Data sheet

Image: Comparison of the Comparison of the Comparison of	Feature	Value
Valve size 10 mm Standard nominal flow rate 160 llmin Operating pressure 1.5 7 bar Design structure Piston side Type of reset Air spring Protection class IP40 Exhaust-fair function throttleable Sealing principle soft Assembly position Any Menual override detenting Pushing Pioted Pilot off a supply Internal Flow direction non reversible Signal status display LED Max. switching firequency 2 Hz Switching time off 14 ms Switching time off 14 ms Max. positive test pulse with logic 0 1,600 µs Max. npositive test pulse with logic 1 3,000 µs Characteristic coil data 24 V DC: 0.8 W Permissible voltage fluctuation Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with FN 942017-5 and EN 60088-2-6 Shock tresistance Shock test with severity level 1 in accordance with	Valve function	2x3/2 closed, monostable
Standard nominal flow rate Operating pressure 1.57 bar Operating pressure Piston side Type of reset Air spring Protection class Part of the control of t	Type of actuation	electrical
1.5 7 bar	Valve size	10 mm
Design structure Type of reset Air spring Protection class IP40 Exhaust-air function Exhaust-air function Assembly position Assembly position Any Manual override detenting Pushing Type of piloting Pilot air supply Internal Flow direction Signal status display Max. switching frequency Switching time on Duty cycle Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Shaves test pulse with logic 1 Shaves direction Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Urbration resistance Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 96088-2-27 Corrosion resistance classification CRC Amelian Reseause Material seals HNBR Material seals Mare printing Mary Mark Any	Standard nominal flow rate	160 l/min
Type of reset	Operating pressure	1.5 7 bar
Protection class	Design structure	Piston slide
Exhaust-air function soft Sealing principle soft Any Manual override detenting Pushing Plioted Pushing Plioted Pushing Plioted Pliot air supply Internal Flow direction non reversible Signal status display LED Max. switching frequency 2 Hz Switching time off 14 ms Switching time on 12 ms Duty cycle 100% Max. positive test pulse with logic 0 1,600 µs Max. positive test pulse with logic 1 3,000 µs Characteristic coll data 24 V DC: 0.8 W Permissible voltage fluctuation 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 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 80068-2-6 Plot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 550 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type with through hole Flange Pheumatic connection, port 2 Flange Pheumatic connection, port 4 Flange Material seals HNBR NBR	Type of reset	Air spring
Sealing principle Assembly position Any Assembly position Any Annual override detenting Pushing Ploted Pilot air supply Internal Flow direction Signal status display Aux. switching frequency Butterfile in the switching frequency Butterfile in the switching time on Duty cycle Max. switching time on 12 ms Duty cycle 100% Max. negative test pulse with logic 0 1,600 µs Max. negative test pulse with logic 1 3,000 µs Max. negative test pulse with logic 1 3,000 µs Characteristic coil data 24 V DC: 0.8 W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature 5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Material seals HNBR Material seals NBR	Protection class	IP40
Assembly position Manual override Manual override Manual override Manual override Pushing Type of piloting Pilot der Pushing Pilot air supply Internal Flow direction non reversible Signal status display LED Max. switching frequency 2 Hz Switching time off 14 ms Switching time on 12 ms Duty cycle 100% Max. positive test pulse with logic 0 1,600 µs Max. positive test pulse with logic 1 3,000 µs Max. positive test pulse with logic 1 3,000 µs Characteristic coil data 24 V DC: 0.8 W Permissible voltage fluctuation Querating 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 1 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-6 Shock sets with severity level 1 in accordance with FN 942017-5 and EN 60068-2-6 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature S50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Material seals HNBR Material seals HNBR	Exhaust-air function	throttleable
Assembly position Manual override Manual override Manual override Manual override Pushing Type of piloting Pilot der Pushing Pilot air supply Internal Flow direction non reversible Signal status display LED Max. switching frequency 2 Hz Switching time off 14 ms Switching time on 12 ms Duty cycle 100% Max. positive test pulse with logic 0 1,600 µs Max. positive test pulse with logic 1 3,000 µs Max. positive test pulse with logic 1 3,000 µs Characteristic coil data 24 V DC: 0.8 W Permissible voltage fluctuation Querating 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 1 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-6 Shock sets with severity level 1 in accordance with FN 942017-5 and EN 60068-2-6 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature S50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Material seals HNBR Material seals HNBR	Sealing principle	soft
Pushing Pyse of piloting Pilote de Pilote de Pilot air supply Internal Flow direction Inon reversible Signal status display LED Switching time off J4 ms Switching time on J12 ms Duty cycle 100% Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 J3.000 µs Characteristic coil data Permissible voltage fluctuation 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 Shock resistance Shock sets with severity level 1 in accordance with FN 942017-5 and EN 60068-2-2 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Product weight Electrical connection Plug Compressed air in accordance with ISO8573-1:2010 [7:4:4] Which is a severity level 1 in accordance with FN 942017-5 and EN 60068-2-2 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Product weight Floy Product weight Floy Product weight Floy Product operation Plug Connection pattern H, horizontal connection 2-pin Mounting type with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Material seals HNBR Material seals HNBR	Assembly position	Any
Pushing Pushing Puloted	Manual override	detenting
Type of piloting Pilot air supply Internal Pilot air supply Internal Pilot air supply Internal Pilot air supply Internal		_
Pilot di resupply Internal Flow direction non reversible Signal status display LED Max. switching frequency 2 Hz Switching time off 14 ms Switching time off 12 ms Duty cycle 100% Max. positive test pulse with logic 0 1,600 µs Max. positive test pulse with logic 1 3,000 µs Characteristic coil data 24 V DC: 0.8 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 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 Ambient temperature -5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Material seals HNBR NBR	Type of piloting	•
Flow direction Signal status display LED Max. switching frequency 2 Hz Switching time off 314 ms Switching time on 12 ms Duty cycle 100% Max. positive test pulse with logic 0 1,600 µs Max. negative test pulse with logic 1 3,000 µs Characteristic coil data 24 V DC: 0.8 W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-8 Shock resistance Shock resistance Shock resistance classification CRC 2 - Moderate corrosion stress Medium temperature 4-5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Pneumatic connection, port 4 Flange Material seals HNBR HNBR		Internal
LED	Flow direction	
Max. switching frequency Switching time off 14 ms Switching time on 12 ms Duty cycle 100% Max. positive test pulse with logic 0 1,600 µs Characteristic coil data Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Pneumatic connection, port 4 Material seals Material seals HNBR NBR		
Switching time off Switching time on 12 ms Duty cycle 100% Max. positive test pulse with logic 0 1,600 µs As. negative test pulse with logic 1 3,000 µs Characteristic coil data 24 V D C: 0.8 W Permissible voltage fluctuation 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 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature 5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Pneumatic connection, port 4 Flange Material seals MBR Material seals MBR		2 Hz
Switching time on 12 ms Duty cycle 100% Max. positive test pulse with logic 0 1,600 µs Max. negative test pulse with logic 1 3,000 µs Characteristic coil data 24 V DC: 0.8 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 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2- Moderate corrosion stress Medium temperature -5 50 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals Material seals Material seals Material seals	<u> </u>	14 ms
Duty cycle Max. positive test pulse with logic 0 1,600 µs Max. negative test pulse with logic 1 24 V DC: 0.8 W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubiration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Product weight Electrical connection Mounting type On manifold rail with funding hole Material seals		
Max. positive test pulse with logic 0 1,600 μs Max. negative test pulse with logic 1 3,000 μs Characteristic coil data 24 V DC: 0.8 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 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail Mounting type on manifold rail Mounting type Flange Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Ma		
Max. negative test pulse with logic 1 3,000 μs Characteristic coil data 24 V DC: 0.8 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 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Mounting type Flange Materials note Contains PWIS substances Material soals HNBR Material soals HNBR NBR		
Characteristic coil data 24 V DC: 0.8 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 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Materials note Conforms to RoHS Material seals HNBR NBR		
Permissible voltage fluctuation	<u> </u>	•
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 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals Material seals		
Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS HNBR NBR		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
operation) Vibration resistance Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Materials note Conforms to RoHS Material seals HNBR NBR		
942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR	There on operating and processed	operation)
and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR	Vibration resistance	
Medium temperature -5 50 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] -5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR	Shock resistance	
Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 50 °C Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR	Corrosion resistance classification CRC	2 - Moderate corrosion stress
Ambient temperature -5 50 °C Product weight Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR	Medium temperature	-5 50 °C
Product weight 50 g Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR	Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Electrical connection Plug Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR	Ambient temperature	-5 50 °C
Connection pattern H, horizontal connection 2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR	Product weight	50 g
2-pin Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR	Electrical connection	Plug
Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR		Connection pattern H, horizontal connection
Mounting type on manifold rail with through hole Pneumatic connection, port 2 Flange Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR		2-pin
Pneumatic connection, port 2 Pneumatic connection, port 4 Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS HNBR NBR	Mounting type	
Pneumatic connection, port 4 Flange Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR		with through hole
Materials note Contains PWIS substances Conforms to RoHS Material seals HNBR NBR	Pneumatic connection, port 2	Flange
Conforms to RoHS Material seals HNBR NBR	Pneumatic connection, port 4	Flange
Material seals HNBR NBR	Materials note	Contains PWIS substances
NBR		Conforms to RoHS
	Material seals	
Material nousing	Material housing	Wrought Aluminium alloy