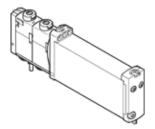
Solenoid valve **VUVG-B14-P53E-ZT-F-1T1L** Part number: 573486





Data sheet

Standard nominal flow rate Working pressure 0.910 bar Design structure Piston slide Protection class IP65 IP67 Authorization c CSA us (O1) c Ut. us. * Recognized (O1) Exhaust-air function Sealing principle soft Assembly position Manual override detenting Pushing Iype of piloting Iype of piloting Iype of piloting Iype of piloting Itpe of piloting	Feature	Value
Valve size 14 mm Working pressure 0.9, 10 bar Design structure Piston slide Protection class IP65 IP67 Authorization c CSA us (OL) c UL us - Recognized (OL) Exhaust-air function soft Assembly position Any Manual override Plotsing Ploted Plot air supply external Type of piloting Ploted Plot air supply external Type of piloting Ploted Plot air supply external Row direction Type supply Ans. switching frequency 3 8 bar Max. switching fire reversal Duty cycle 100% Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Anax. positive test pulse with logic 1 Anax. positive test pulse with logic 1 Characteristic coil data 22 V DC:1 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 ISO8573-1:2010 [7:4:4] Max-busht temperature 5 60 °C Podout weight Max Positive temperature 5 60 °C Pordout weight Material seals HNBR Nare Material seals HNBR Nare Material seals	Valve function	5/3 exhausted
Valve size 14 mm Working pressure 0.9, 10 bar Design structure Piston slide Protection class IP65 IP67 Authorization c CSA us (OL) c UL us - Recognized (OL) Exhaust-air function soft Assembly position Any Manual override Plotsing Ploted Plot air supply external Type of piloting Ploted Plot air supply external Type of piloting Ploted Plot air supply external Row direction Type supply Ans. switching frequency 3 8 bar Max. switching fire reversal Duty cycle 100% Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Anax. positive test pulse with logic 1 Anax. positive test pulse with logic 1 Characteristic coil data 22 V DC:1 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 ISO8573-1:2010 [7:4:4] Max-busht temperature 5 60 °C Podout weight Max Positive temperature 5 60 °C Pordout weight Material seals HNBR Nare Material seals HNBR Nare Material seals	Type of actuation	electrical
Working pressure Design structure Piston silde Piston silde Pifotection class IP65 IP67 Authorization CCSA us (OL) CUL us - Recognized (OL) Exhaust-air function throttleable Sealing principle Soft Assembly position Any Manual override detenting Pushing Type of piloting Pilot air supply Row direction IED Pilot air supply Row direction Row	Valve size	14 mm
Working pressure Design structure Piston slide Protection class IP65 IP67 Authorization CCSA us (OL) C LL us - Recognized (OL) Exhaust-air function Exhaust-air function Sealing principle Soft Assembly position Any Any Any Anual override detenting Pushing Type of piloting Pilot air supply external Flow direction Teversible Signal status display IED Pilot pressure 3 8 bar Max. switching trequency 3 ltz Switching time off Switching time off Switching time off Switching time off 35 ms Switching time reversal Duty cycle 100% Max. negative test pulse with logic 0 Max. positive test pulse with logic 1 Characteristic coil data 22 V DC: 1 W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Vibration resistance Shock resistance Shock resistance Shock resistance Shock resistance classification CRC 2 - Moderate Material seals HNBR NRR	Standard nominal flow rate	470 l/min
Design structure Protection class Protec	Working pressure	-0.9 10 bar
Protection class IP65 IP67 Authorization c CSA us (O1) c UL us - Recognized (O1) Ethaust-air function throttleable Sealing principle soft Assembly position Any Manual overfide detenting Pushing Type of piloting Piloted Pilot air supply external Flow direction reversible Signal status display LED Pilot pressure 3 8 bar Max. switching frequency 3.1. 8 bar Max. witching frequency 3.1. 8 bar Max. witching frequency 3.1. 8 bar Max. switching time of 42 ms Switching time of 42 ms Switching time reversible Duty cycle 100% Max. positive 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 Max. negative test pulse with logic 1 3,000 µs Characteristic coil data 22 V DC: 1 W Permissible voltage fluctuation 47. 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium persistance Transport application sters as everity level 2 in accordance with FN 942017-5 and EN 60068-2-c Corrosion resistance Lassification CRC Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-c Product weight 95 g Electrical connection via manifold block Mounting type on manifold rail Material soals HNBR NBR		Piston slide
Authorization c C SA us (OL) c UL us - Recognized (OL) Exhaust-air function throttleable Sealing principle soft Any Manual override detenting Pushing Type of piloting Piloted Pilot air supply external Flow direction reversible Signal status display LED Pilot pressure 3 8 bar Max. switching frequency 3 Hz Switching time off 42 ms Switching time off 42 ms Switching time reversal 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 Permissible voltage fluctuation CPoperating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium perature Pook test sheering the sweeting the sweeting the sweeting the sweeting the sweeting	Protection class	IP65
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Exhaust-air function throttleable soft Sealing principle soft soft Any Manual override detenting Pushing Piloted Pushing Piloted Pushing Piloted Pushing Piloted Pilot air supply external Pilot air supply external Piloted	Authorization	c CSA us (OL)
Sealing principle Assembly position Any Manual override detenting Pushing Type of piloting Pilot air supply Pilot air supply external Flow direction Pilot pressure 3 8 bar Max. switching frequency 3 Hz Switching time off 42 ms Switching time off 42 ms Switching time reversal Duty cycle 100% Max. positive test pulse with logic 0 1,600 µs Max. positive test pulse with logic 1 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 Urbration resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Product weight Electrical connection Material seals Material seals HNBR NBR NBR		c UL us - Recognized (OL)
Assembly position Manual override Pushing Type of piloting Pilot ed Pushing Pilot ed Pilot air supply external Flow direction reversible Signal status display LED Pilot pressure 38 bar 38	Exhaust-air function	throttleable
Manual override detenting Pushing Type of piloting Piloted Pilot air supply external Flow direction reversible Signal status display LED Pilot pressure 3 8 bar Max. witching frequency 3 Hz Switching time off 42 ms Switching time eversal 25 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 22 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 942017-5 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 Medium temperature 5 · 60 °C Product weight 95 g Electrical connection via manifold block Mounting type on manifold rail Material seals HNBR	Sealing principle	soft
Pushing Pyse of piloting Pilot air supply external Flow direction reversible Signal status display LED Pilot pressure 38 bar Max. switching frequency 3 Hz Switching time off Switching time on Switching time of time Switching time of time on Switching time of time of time on Swit	Assembly position	Any
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Pilot air supply external		Pushing
Flow direction resistance classification CRC 2 - Moderate corrosion resistance classification CRC 2 - Moderate corrosion resistance classification CRC 2 - Moderate corrosion stress Material seals Mater	Type of piloting	Piloted
Signal status display LED	Pilot air supply	external
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Switching time on 15 ms Switching time reversal 25 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 22 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 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 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 95 g Electrical connection via manifold block Mounting type on manifold rail Materials note Materials note Materials seals MRE	Max. switching frequency	3 Hz
Switching time reversal Duty cycle 100% Max. positive test pulse with logic 0 1,600 µs Max. negative test pulse with logic 1 22 V DC: 1 W 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 Transport application test at 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 Medium temperature 560 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 560 °C Product weight 95 g Electrical connection via manifold block Mounting type on manifold rail Materials note Materials seals HNBR NBR	Switching time off	42 ms
Duty cycle100%Max. positive test pulse with logic 01,600 μsMax. negative test pulse with logic 13,000 μsCharacteristic coil data22 V DC: 1 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 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressMedium temperature-5 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-5 60 °CProduct weight95 gElectrical connectionvia manifold blockMounting typeon manifold railMaterials noteConforms to RoHSMaterial sealsHNBR NBR	Switching time on	15 ms
Max. positive test pulse with logic 0 1,600 μs Max. negative test pulse with logic 1 3,000 μs Characteristic coil data 22 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 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 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 95 g Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS Material seals HNBR NBR	Switching time reversal	25 ms
Max. negative test pulse with logic 1 Characteristic coil data 22 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 Ubiricated 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 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 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 95 g Electrical connection via manifold block Mounting type on manifold rail Material seals HNBR NBR		100%
Characteristic coil data 22 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 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 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 95 g Electrical connection via manifold block Mounting type on manifold rail Material seals HNBR NBR		1,600 μs
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 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 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 95 g Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS Material seals HNBR NBR		· · ·
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Ambient temperature -5 60 °C Product weight 95 g Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS Material seals HNBR NBR	Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
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Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS Material seals HNBR NBR	Product weight	
Materials note Conforms to RoHS Material seals HNBR NBR	Electrical connection	
Material seals HNBR NBR	Mounting type	on manifold rail
NBR	Materials note	Conforms to RoHS
	Material seals	
Waterial Dursus	Material housing	Wrought Aluminum alloy