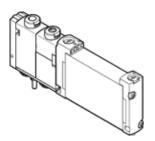
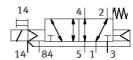
solenoid valve VUVG-B10-M52-RZT-F-1T1L Part number: 573416







Data sheet

Secretarian	Feature	Value
Valve size 10 mm Standard nominal flow rate 201/min Operating pressure 0.9 10 bar Design structure Piston slide mechanical spring Air spring Authorisation CCSA us (OU) cUL us - Recognized (OU) Protection class IP67 Exhausts air function soft Exhausts air function Sealing principle Soft Assembly position Any Manual override detenting Pushing Type of piloting Pilot air supply Row direction reversible Overlap Signal status display LED Pilot pressure 2.5	Valve function	5/2 monostable
Standard nominal flow rate Design structure Design structure Piston slide mechanical spring Authorisation C.SA us (OI) C.U.U. s. Recognized (OL) Protection class IP65 Exhaust-air function throttleable Sealing principle soft Any Manual override detenting Pushing Tipe of piloting Pilot air supply external Row direction Deristand sidplay EID Filot pressure Aux. switching frequency Switching time off Switching time off Switching time off Max. negative test pulse with logic 0 Anx. negative test pulse with logic 1 Characteristic coil data Deraring medium Comperating medium Comperating medium Comperating and pilot medium Lubrication exercist coil coil accordance with FN 942017-5 and EN 600-00-00-00-00-00-00-00-00-00-00-00-00-	Type of actuation	electrical
Operating pressure Piston slide Pigne of reset mechanical spring Authorisation CCSA us (QL) CUL us - Recognized (QL) Protection class IP65 Exhaust-air function throttleable Sealing principle soft Assembly position Any Manual override detenting Pushing Ploted Plot air supply external Flow direction reversible Overlap Positive overlap Signal status display IED Plotting time off Switching time off 21 ms Switching time off Max, positive test pulse with logic 0 Max, negative test pulse with logic 1 Max, negative test pulse with logic 1 Max, negative 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 Vibration resistance Shock resistance Shock resistance Shock resistance Shock resistance Value Max Positive temperature S 60° C Product weight Signe Sidne Sid	Valve size	10 mm
Design structure Piston slide Type of reset mechanical spring Art spring Authorisation C. CSA us (OL)	Standard nominal flow rate	220 l/min
Design structure Type of reset	Operating pressure	-0.9 10 bar
Type of reset Air spring Air spring Air spring C CSA us (U) c Ut us - Recognized (Ot) Protection class PP67 Exhaust-air function Sealing principle Soft Assembly position Any Manual override Pushing Type of piloting Piloted Pilot air supply external Plot derection Power air supply Power air supply Ploted Pilot air supply Positive overlap Pilot gressure 2.5 8 bar Max. switching frequency 3 Hz Switching time off 21 ms Switching time off 21 ms Axpostive test pulse with logic 0 Max. positive test pulse with logic 1 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] Operating medium Vibration resistance Shock resistance Shock resistance dassification CRC Politic medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature S 60 °C Pordouct weight S 3 g Electrical connection Via manifold block Material seals HNBR NBR		Piston slide
Authorisation C CSA us (OL) c UL us - Recognized (OL) Protection class IP65 Protection class IP65 Ethaust-air function throttleable soft Assembly position Ary Manual override detenting Pushing Type of piloting Piloted Plot air supply external Plot air supply external Plot direction reversible Overlap Signal status display LED Plot pressure 2.5 8 bar Max. switching frequency 3 Hz Switching time of 21 ms Switching time on 9 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 Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium operation of Compressed air in accordance with ISO8573-1:2010 [7:4:4] Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-07 Corrosion resistance Assification CRC 2 - Moderate corrosion stress Medium temperature 5 60 °C Product weight 153 g Materials note Material seats HNBR Material seats MBR	Type of reset	mechanical spring
Authorisation C CSA us (OL) c UL us - Recognized (OL) Protection class IP65 Protection class IP65 Ethaust-air function throttleable soft Assembly position Ary Manual override detenting Pushing Type of piloting Piloted Plot air supply external Plot air supply external Plot direction reversible Overlap Signal status display LED Plot pressure 2.5 8 bar Max. switching frequency 3 Hz Switching time of 21 ms Switching time on 9 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 Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium operation of Compressed air in accordance with ISO8573-1:2010 [7:4:4] Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-07 Corrosion resistance Assification CRC 2 - Moderate corrosion stress Medium temperature 5 60 °C Product weight 153 g Materials note Material seats HNBR Material seats MBR		Air spring
Protection class IP65 IP67 Exhaust-air function throttleable Sealing principle soft Any Manual override detenting Pushing Type of piloting Piloted Pilot air supply external Flow direction reversible Overlap Positive overlap Signal status display LED Pilot pressure 2.5 8 bar Max. switching frequency 3 Hz Switching time on 9 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 4,710 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium performedium compressed air in accordance with FN 942017-5 and EN 60068-2.27 Corrosion resistance Shock test with severily level 2 in accordance with FN 942017-5 and EN 60068-2.27 Flot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 5 60 °C Product weight 53 g Electrical connection via manifold block Mounting type on manifold rail Material seals HNBR Makerial seals HNBR	Authorisation	
Protection class IP65 IP67 Exhaust-air function throttleable Sealing principle soft Any Manual override detenting Pushing Type of piloting Piloted Pilot air supply external Flow direction reversible Overlap Positive overlap Signal status display LED Pilot pressure 2.5 8 bar Max. switching frequency 3 Hz Switching time on 9 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 4,710 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium performedium compressed air in accordance with FN 942017-5 and EN 60068-2.27 Corrosion resistance Shock test with severily level 2 in accordance with FN 942017-5 and EN 60068-2.27 Flot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 5 60 °C Product weight 53 g Electrical connection via manifold block Mounting type on manifold rail Material seals HNBR Makerial seals HNBR		c UL us - Recognized (OL)
Exhaust-air function throttleable soft sealing principle soft soft sealing principle soft sealing principle detenting Pushing Piloted Pushing Piloted Positive overlap Piloted Pilot air supply external Positive overlap Positive Positive Overlap Positive Pos	Protection class	
Sealing principle Assembly position Any Manual override detenting Pushing Plioted Pliot air supply external Flow direction Positive overlap Signal status display LED Pliot pressure 2.58 bar Max. switching frequency 3 Hz Switching time off 21 ms Switching time on Duty cycle 100 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Characteristic coil data Permissible voltage fluctuation Aperating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 6008-2-2 Corrosion resistance classification CRC Product weight Sa g Electrical connection Material seals HNBR Material seals Material seals HNBR Material seals HNBR Material seals Material seals NBR HNBR NBR		IP67
Assembly position Manual override Pushing Type of piloting Pilot ed Pushing Pilot ed Pushing Pilot ed Positive overlan Signal status display Positive overlap Signal status display LED Plot pressure 2.5 8 bar Max. switching frequency 3 Hz Switching time off 21 ms Switching time off 9 ms Duty cycle 100 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 3,000 µs Ans. are adverted to a substitution of the substit	Exhaust-air function	throttleable
Assembly position Manual override Pushing Type of piloting Pilot ed Pushing Pilot ed Pushing Pilot ed Positive overlan Signal status display Positive overlap Signal status display LED Plot pressure 2.5 8 bar Max. switching frequency 3 Hz Switching time off 21 ms Switching time off 9 ms Duty cycle 100 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 3,000 µs Ans. are adverted to a substitution of the substit	Sealing principle	soft
Manual override detenting Pushing Type of piloting Piloted Pilot air supply external Flow direction reversible Overlap Positive overlap Signal status display LED Pilot pressure 2.5 8 bar Max. switching frequency 3 Hz Switching time off 21 ms Switching time on 9 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 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 942017-5 and EN 60068-2-6 Shock resistance Shock kets 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		Any
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Pilot air supply Exernal	Type of piloting	-
Flow direction Overlap Positive overlap Signal status display LED Pilot pressure 2.5 8 bar Max. switching frequency 3 Hz Switching time on Duty cycle 100 % Max. positive test pulse with logic 0 Max. positive 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 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 Uibricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 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 Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 60 °C Product weight Electrical connection via manifold block Mounting type on manifold rail Material seals HNBR NBR		external
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Signal status display LED Pilot pressure 2.5 8 bar Max. switching frequency 3 Hz Switching time off 21 ms Switching time on 9 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 53 g Electrical connection via manifold block Montrility type on manifold ra	Overlap	Positive overlap
Pilot pressure 2.5 8 bar Max. switching frequency 3 Hz Switching time off 21 ms Switching time on Duty cycle 100 % Max. positive 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] Note on operating and pilot medium Ubbricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-2 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-2 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 60 °C Product weight 53 g Electrical connection Wa manifold block Mounting type Material seals HNBR NBR	•	,
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Switching time off Switching time on 9 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 4/- 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 942017-4 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 53 g Electrical connection Via manifold block Mounting type On manifold rail Materials note Mounting type Materials note Materia	Max. switching frequency	3 Hz
Switching time on 9 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 53 g Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS Materials note Conforms to RoHS		21 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 weight53 gElectrical connectionvia manifold blockMounting typeon manifold railMaterials noteConforms to RoHSMaterial sealsHNBR NBR		9 ms
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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 53 g Electrical connection via manifold block Mounting type on manifold rail Materials note Material seals HNBR NBR	Permissible voltage fluctuation	+/- 10 %
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 53 g Electrical connection via manifold block Mounting type on manifold rail Materials note Material seals HNBR NBR	Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
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 53 g Electrical connection via manifold block Mounting type on manifold rail Materials note Materials seals HNBR NBR	Note on operating and pilot medium	
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 53 g Electrical connection via manifold block Mounting type on manifold rail Materials note Material seals HNBR NBR	Vibration resistance	
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 53 g Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS Material seals HNBR NBR	Shock resistance	
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Ambient temperature -5 60 °C Product weight 53 g Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS Material seals HNBR NBR	Medium temperature	-5 60 °C
Product weight 53 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]
Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS Material seals HNBR NBR	Ambient temperature	-5 60 °C
Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS Material seals HNBR NBR	Product weight	53 g
Materials note Conforms to RoHS Material seals HNBR NBR	Electrical connection	
Materials note Conforms to RoHS Material seals HNBR NBR	Mounting type	on manifold rail
NBR	Materials note	
	Material seals	
Waterial noising LWrollont Alliminium allov	Material housing	Wrought Aluminium alloy