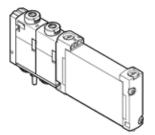
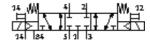
solenoid valve VUVG-B10-P53C-ZT-F-1T1L-EX2C Part number: 8041890







Data sheet

Type of actuation Standard nominal flow rate Standard nominal flow rate Operating pressure O.9 10 bar Deperating pressure O.9 10 bar Depesing structure Authorisation C CSA us (OL) C UL us - Recognized (OL) Protection class IP65 Exhaust-air function throttleable Sealing principle Soft Assembly position Any Manual override detenting, Pushing Type of piloting IPlot air supply Flot air supply Exhaust-sir supply Overlap Positive overlap Signal status display ILD Pilot pressure 3 8 bar Max. switching frequency 3 1tz Switching time off 3 38 ms Switching time reversal Duty cycle Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Amax. negative test pulse with logic 1 Characteristic coil data 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 ISO8573-1:2010 [7:4:4] Ambient temperature 5 60 °C Pilot medium Materials eads Makerials note Macurial seads Makerials note Macurial seads Makerials note Macurial seads Makerials seads	Feature	Value
Valve size 1 0 mm Standard nominal flow rate 2001/min Operating pressure 1.0.9 10 bar Petition slide 4.0.9 10 bar Petition slide 5.0. 10 bar Petition slide 1.0. 10 bar	Valve function	5/3 closed
Standard nominal flow rate Operating pressure Operating pressure Obeging structure Piston slide Authorisation c CSA us (OL) CUL us. Recognized (OL) Protection class IP65 Exhaust-air function throttleable Sealing principle Soft Sealing principle Soft Any Manual override detenting Pushing Type of piloting Piloted Pilo	Type of actuation	electrical
Operating pressure 0.9 10 bar Design structure Piston silide Authorisation c CSA us (OL) Protection class IP65 IP65 IP67 Exhaust-air function throttleable Sealing principle soft Assembly position Any Manual override detenting Pushing Plotted Plot air supply external Flow direction reversible Overlap Positive overlap Signal status display LED Pilot pressure 3 8 bar Max. switching frequency 3 Hz Switching time off 38 ms Switching time end 12 ms Switching time reversal 16 ms Duty cycle 100 % Max. positive test pulse with logic 0 1,660 µs Max. positive test pulse with logic 1 3,000 µs Characteristic coll data 22 V DC:1 W Permissible voltage fluctuation 4/- 10 % Operating medium Compressed air in accordance with ISO8573-1	Valve size	10 mm
Design structure Authorisation C CSA us (OL) CUL us. Recognized (OL) Protection class IP65 Exhaust-air function throttleable Sealing principle soft Any Manual override detenting Pushing Type of piloting Piloted Pilot air supply Flow direction Overlap Positive overlap Signal status display LED Plot pressure 3 8 bar Max. switching frequency 3 Hz Switching time off Switching time eversal Duty cycle Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Any Note on operating and pilot medium Operating medium Note on operating and pilot medium Vibration resistance Shock resistance Shock resistance So (Compressed air in accordance with FN 942017-5 and EN 60068-2-2 Corrosion resistance Product weight Sa g Race (SA us (OL) CSA us (OL) CUL us manifold allock Any Race (SA us (OL) COMPressed air in accordance with ISO8573-1:2010 [7:4:4] Lubricated operation possible (subsequently required for further operation) Anther therefore Product weight Sa g Electrical connection via manifold ablock Anner of SA BR NBR	Standard nominal flow rate	200 l/min
Authorisation c CSA us (OL) c UL us - Recognized (OL) Protection class P65 P67 P67 Ethaust-air function throttleable Sealing principle soft Assembly position Any Annual override detenting Pushing Ploted Plot air supply external Plote direction reversible Overlap Positive overlap Plot air supply external Positive overlap Plot pressure 3 8 bar Max. switching frequency 31½ Switching time off 38 ms Switching time off 38 ms Switching time eversal 16 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. negative test pulse with logic 1 3,000 µs Max. negative test pulse with logic 1 2½ V DC:1 W Permissible voltage fluctuation 4/-10 % Operating medium Lubricated operation possible (subsequently required for further operating medium 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 60068-2-27 Corrosion resistance classification CRC 2. Moderate corrosion stress Medium temperature 5 60 °C Product weight 58 g Electrical connection via manifold block Mounting type on manifold block Maxerial seats HNBR Material seats Material seats HNBR Material seats Material seats HNBR Material seats Materi	Operating pressure	-0.9 10 bar
CUL us - Recognized (OL) Protection class P65 Exhaust-air function throttleable Sealing principle soft Assembly position Any Manual override detenting Pushing Pushing Ploted Positive overlap Signal status display LED Plot pressure 3 8 bar Max. switching frequency 3 Hz Switching time of 38 ms Switching time of 38 ms Switching time reversal 16 ms Duty cycle 100 % Max. negative 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 Compressed air 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 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Corrosion resistance classification CRC 2 - Moderate corrosion stress Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Corrosion resistance classification CRC 2 - Moderate corrosion stress Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Product weight S8 g Electrical connection win manifold block Material seals NBR Material seals NBR	Design structure	Piston slide
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 Flot pressure 3 & bar Max. switching frequency 3 Hz Switching time on 12 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 22 V DC: 1 W Permissible voltage fluctuation 4-f-10 % Operating medium Comperating 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 60068-2-27 Corrosion resistance Lassification CRC 2 - Moderate corrosion stress Material seals NBR Material seals NBR Material seals Material seals Material seals Mare in the determine the MBR Material seals Mare in the most determine the MBR Material seals Material sea	Authorisation	c CSA us (OL)
IP67 Stanust-air function Introttleable Sealing principle Soft Sasembly position Any A		c UL us - Recognized (OL)
Exhaust-air function throttleable soft Sealing principle soft soft Sealing principle soft Any Seambly position Any Manual override detenting Pushing Ploted Pushing Plioted Pushing Plioted Pushing Plioted Pushing Plioted Plot air supply external Flow direction reversible Pushing Plot air supply external Flow direction reversible Pushing Plot air supply Positive overlap Positive overlap Pushing requency Pushing requency 3 142 Switching frequency 3 142 Switching time off 38 ms Switching time off 38 ms Switching time on 12 ms Switching time on 12 ms Switching time on 12 ms Switching time reversal 16 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 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 Page 17-4 and Eth 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 Plot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 5 60 °C Product weight 58 g Electrical connection via manifold block Mounting type on manifold rail Material seals NBR NBR	Protection class	IP65
Sealing principle Assembly position Any Manual override detenting Pushing Plioted Pushing Plioted Plot air supply external Flow direction Positive overlap Signal status display LED Plot pressure 38 bar 338 bar 348 bar 348 bar 358 bar 388 bar 388 bar 398 bar 39		IP67
Assembly position Manual override detenting Pushing Type of piloting Piloted Pilot air supply external Row direction reversible Overlap Positive overlap Signal status display LED Pilot pressure 3 8 bar Max. switching frequency 3 Hz Switching time off 38 ms Switching time on 12 ms Switching time reversal 16 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 22 V DC: 1 W Permissible voltage fluctuation 4/- 10 % Operating medium Compressed air in accordance with 1508573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Shock resistance Shock kest with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock resistance classification CRC 2 - Moderate corrosion stress 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 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 Pilot medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Ambient temperature 5 60 °C Corrosion resistance classification CRC Avance and a manifold block Mounting type An	Exhaust-air function	throttleable
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Type of piloting Piloted Pilot air supply external Flow direction reversible Overlap Positive overlap Signal status display LED Plot pressure 3 8 bar Max. switching frequency 3 Hz Switching time off 38 ms Switching time on 12 ms Switching time reversal 16 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 .	Manual override	detenting
Pilot air supply external		Pushing
Flow direction reversible Positive overlap Positive Sure 38 bar 38 ba	Type of piloting	Piloted
Positive overlap Signal status display LED	Pilot air supply	external
LED	Flow direction	reversible
Pilot pressure 3 8 bar Max. switching frequency 3 Hz Switching time off 38 ms Switching time on 12 ms Switching time reversal 16 ms Duty cycle 100 % Max. positive test pulse with logic 0 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 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 58 g Electrical connection Waterial seals HNBR Materials note Material seals HNBR NBR	Overlap	Positive overlap
Max. switching frequency Switching time of Switching time on Switching time reversal 16 ms Sutching time reversal 16 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 IS08573-1:2010 [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 942017-3 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 IS08573-1:2010 [7:4:4] Ambient temperature 5 60 °C Product weight 58 g Electrical connection via manifold block Mounting type on manifold rail Materials note	Signal status display	LED
Switching time off Switching time on 12 ms Switching time reversal 16 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 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 60068-2-27 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 58 g Electrical connection via manifold rail Materials note Materials note HNBR NBR	Pilot pressure	3 8 bar
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Switching time reversal 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 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 58 g Electrical connection via manifold block Mounting type on manifold rail Materials note Materials note Materials asls HNBR NBR		38 ms
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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 58 g Electrical connection via manifold block Mounting type on manifold rail Materials note Material seals HNBR NBR		•
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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 58 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 58 g Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS HNBR NBR	Shock 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 58 g Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS HNBR NBR	Corrosion resistance classification CRC	2 - Moderate corrosion stress
Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -5 60 °C Product weight 58 g Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS HNBR NBR		-5 60 °C
Ambient temperature -5 60 °C Product weight 58 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]
Product weight 58 g Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to ROHS Material seals HNBR NBR	Ambient temperature	
Electrical connection via manifold block Mounting type on manifold rail Materials note Conforms to RoHS Material seals HNBR NBR	Product weight	58 g
Mounting type on manifold rail Materials note Conforms to RoHS Material seals HNBR NBR	Electrical connection	
Materials note Conforms to RoHS Material seals HNBR NBR	Mounting type	
Material seals HNBR NBR	Materials note	Conforms to RoHS
	Material seals	HNBR
Marorial noticing	Material housing	Wrought Aluminium alloy