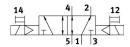
## Air solenoid valve VUVG-BK10-B52-T-F-1R8L-S

**FESTO** 

Part number: 8042560





## **Data sheet**

Actuation type Electrical  Allow size 10 mm  Standard nominal flow rate 160 l/min  Pineumatic working port Flange Deparating voltage 24V DC Deparating pressure 0.15 MPa0.7 MPa 1.5 bar7 bar  Structural design Piston slide with sealing ring Certificate issuing authority UL MH19482 Degree of protection Exhaust air function With flow control option Sealing principle Soft Wounting position Manual override Detenting Flore of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Overlap Signal status display LED Max. switching frequency 2 Hz Changeover time 8 ms Duty cycle Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal Coll characteristics 24 V DC: 0.8 W Events Status directions Perating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Feature	Value
Alve size  Standard nominal flow rate  Standard nominal flow rate  160 l/min  Preumatic working port  Flange  Operating voltage  24V DC  Operating pressure  0.15 MPa0.7 MPa 1.5 bar7 bar  Structural design  Piston slide with sealing ring  Certification  CUL us - Recognized (OL)  LEMH19482  Desgree of protection  Posegree of protection  With flow control option  Sealing principle  Soft  Mounting position  Any  Manual override  Pilot-controlled  Pilot-controlled  Pilot air supply port  Internal  Flow direction  Non-reversible  LED  Max. switching frequency  2 Hz  Changeover time  8 ms  Duty cycle  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Deparating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]	Valve function	5/2, bistable
Standard nominal flow rate  Peneumatic working port  Operating pressure  O.15 MPaO,7 MPa 1.5 bar7 bar  Structural design  Piston slide with sealing ring  Certification  C UL us - Recognized (OL)  Certificate issuing authority  UL MH19482  Degree of protection  Pics  Exhaust air function  With flow control option  Sealing principle  Soft  Mounting position  Any  Manual override  Detenting  Non-detenting  Non-detenting  Non-detenting  Pilot-controlled  Pilot-controlled  Pilot air supply port  Internal  Plow direction  Non-reversible  Jour overlap  Signal status display  LED  Max. switching frequency  2 Hz  Changeover time  B ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. positive test pulse with 0 signal  Max. positive test pulse with 0 signal  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]	Actuation type	Electrical
Preumatic working port  Departing voltage  Departing pressure  Departing pressure  Departing pressure  Description of the search	Valve size	10 mm
Deperating voltage  Deperating pressure  Deperating pressure  Deperating pressure  Description of the pressure	Standard nominal flow rate	160 l/min
Departing pressure  0.15 MPa0.7 MPa 1.5 bar7 bar  Structural design  Piston slide with sealing ring  Certification  C UL us - Recognized (OL)  Lettificate issuing authority  UL MH19482  Degree of protection  Pie5  Exhaust air function  With flow control option  Soft  Mounting position  Any  Manual override  Detenting Non-detenting  Filot-controlled  Pilot-controlled  Pilot-controll	Pneumatic working port	Flange
1.5 bar7 bar  Structural design Piston slide with sealing ring Certification C UL us - Recognized (OL) Certification Certific	Operating voltage	24V DC
Certification       c UL us - Recognized (OL)         Certificate issuing authority       UL MH19482         Degree of protection       IP65         Exhaust air function       With flow control option         Sealing principle       Soft         Mounting position       Any         Manual override       Detenting Non-detenting         Pilot controll       Pilot-controlled         Pilot air supply port       Internal         Elow direction       Non-reversible         Lap       Overlap         Signal status display       LED         Max. switching frequency       2 Hz         Changeover time       8 ms         Outy cycle       100%         Max. positive test pulse with 0 signal       1600 μs         Max. negative test pulse on 1 signal       3000 μs         Coil characteristics       24 V DC: 0.8 W         Permissible voltage fluctuations       +/- 10 %         Operating medium       Compressed air as per ISO 8573-1:2010 [7:4:4]	Operating pressure	
Detrificate issuing authority Degree of protection Degree of protection Degree of protection Description Determining principle Determining principle Determining protection Determining	Structural design	Piston slide with sealing ring
Degree of protection Detenting position Manual override Detenting Non-detenting Non-detenting Detenting Non-detenting Non-detenting Non-detenting Detenting Non-detenting	Certification	c UL us - Recognized (OL)
Exhaust air function Sealing principle Soft Mounting position Manual override Manual override Detenting Non-detenting Filot-controlled Pilot air supply port Internal Flow direction Any Max. switching frequency Detenting frequency Detenting Flow direction Detenting Non-detenting Flow direction Non-reversible Detenting Non-detenting Non-d	Certificate issuing authority	UL MH19482
Sealing principle  Mounting position  Any  Manual override  Detenting Non-detenting  Filot-controlled  Pilot-controlled  Pilot air supply port  Internal  Flow direction  Non-reversible  Deverlap  Signal status display  LED  Max. switching frequency  2 Hz  Changeover time  8 ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  24 V DC: 0.8 W  Permissible voltage fluctuations  1 Compressed air as per ISO 8573-1:2010 [7:4:4]	Degree of protection	IP65
Mounting position  Manual override  Detenting Non-detenting  Filot-controlled  Pilot-controlled  Internal  Flow direction  Any  Overlap  Signal status display  Max. switching frequency  Changeover time  B ms  Outy cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  24 V DC: 0.8 W  Permissible voltage fluctuations  Pilot-controlled  Internal  Non-reversible  Non-reversible  LED  2 Hz  3 ms  1 600 µs  3 000 µs  2 V DC: 0.8 W  Permissible voltage fluctuations  +/- 10 %  Compressed air as per ISO 8573-1:2010 [7:4:4]	Exhaust air function	With flow control option
Manual override  Detenting Non-detenting  Pilot-controlled  Pilot air supply port  Internal  Flow direction  Non-reversible  Overlap  Signal status display  LED  Max. switching frequency  Changeover time  8 ms  Outy cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  24 V DC: 0.8 W  Derenting medium  Compressed air as per ISO 8573-1:2010 [7:4:4]	Sealing principle	Soft
Non-detenting  Type of control  Pilot-controlled  Pilot-controlled  Pilot-controlled  Internal  Non-reversible  Overlap  Signal status display  LED  Max. switching frequency  Changeover time  8 ms  Outy cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Soli characteristics  24 V DC: 0.8 W  Permissible voltage fluctuations  +/- 10 %  Compressed air as per ISO 8573-1:2010 [7:4:4]	Mounting position	Any
Pilot air supply port Internal  Non-reversible Overlap  Signal status display LED  Max. switching frequency Changeover time 8 ms Outy cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 24 V DC: 0.8 W Permissible voltage fluctuations Operating medium  Internal I	Manual override	
Flow direction  Ap  Overlap  Signal status display  LED  Max. switching frequency  2 Hz  Changeover time  8 ms  Outy cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  24 V DC: 0.8 W  Permissible voltage fluctuations  100%  Compressed air as per ISO 8573-1:2010 [7:4:4]	Type of control	Pilot-controlled
Overlap  Signal status display  LED  Max. switching frequency  Changeover time  8 ms  Outy cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  24 V DC: 0.8 W  Permissible voltage fluctuations  Operating medium  Overlap  O	Pilot air supply port	Internal
LED  Max. switching frequency  2 Hz  Changeover time  8 ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  24 V DC: 0.8 W  Permissible voltage fluctuations  +/- 10 %  Compressed air as per ISO 8573-1:2010 [7:4:4]	Flow direction	Non-reversible
Max. switching frequency  Changeover time  8 ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  24 V DC: 0.8 W  Permissible voltage fluctuations  +/- 10 %  Compressed air as per ISO 8573-1:2010 [7:4:4]	Lap	Overlap
Changeover time8 msOuty cycle100%Max. positive test pulse with 0 signal1600 μsMax. negative test pulse on 1 signal3000 μsCoil characteristics24 V DC: 0.8 WPermissible voltage fluctuations+/- 10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Signal status display	LED
Duty cycle  100%  Max. positive test pulse with 0 signal  1600 µs  Max. negative test pulse on 1 signal  3000 µs  Coil characteristics  24 V DC: 0.8 W  Permissible voltage fluctuations  +/- 10 %  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]	Max. switching frequency	2 Hz
Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  24 V DC: 0.8 W  Permissible voltage fluctuations  +/- 10 %  Compressed air as per ISO 8573-1:2010 [7:4:4]	Changeover time	8 ms
Max. negative test pulse on 1 signal  3000 µs  24 V DC: 0.8 W  Permissible voltage fluctuations  +/- 10 %  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]	Duty cycle	100%
Coil characteristics 24 V DC: 0.8 W  Permissible voltage fluctuations +/- 10 %  Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Max. positive test pulse with 0 signal	1600 μs
Permissible voltage fluctuations +/- 10 %  Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Max. negative test pulse on 1 signal	3000 μs
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Coil characteristics	24 V DC: 0.8 W
	Permissible voltage fluctuations	+/- 10 %
nformation on operating and pilot media  Operation with oil lubrication possible (required for further use)	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
operation that the first means are proposed to the first term of t	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)

Feature	Value
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Temperature of medium	-5 ℃50 ℃
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 ℃50 ℃
Product weight	50 g
Electrical connection	3-pin M8x1 A-coded as per EN 61076-2-104 Plug
Type of mounting	On terminal strip With through-hole
Pneumatic connection 2	Flange
Pneumatic connection 4	Flange
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy