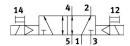
## Air solenoid valve VUVG-LK10-B52-T-M5-1H2L-S

**FESTO** 

Part number: 8042540





## **Data sheet**

Actuation type Electrical  All ve size  10 mm  195 l/min  Ander size  10 mm  195 l/min  Ander size  10 mm  10 mm  10 mm  10 memmatic working port  10 ms  10 ms  10 ms  10 mm  10	Feature	Value
Alve size 10 mm  Standard nominal flow rate 195 l/min  Preumatic working port M5  Operating voltage 24V DC  Operating 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 Pizo  With flow control option Sealing principle Soft  Mounting position Any  Manual override Determine Pilot-controlled Pilot air supply port Internal  Pilot controlled Internal  Pilot-controlled Internal  Non-reversible App Overlap  LED  Max. switching frequency 2 Hz  Changeover time 8 ms  Duty cycle 100%  Max. negative test pulse on 1 signal 3000 µs  Certificate issuing authority UL MH19482  Departing medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Valve function	5/2, bistable
Standard nominal flow rate  Presumatic working port  Presumatic working port  Presumatic working port  Presumatic working port  Presumatic working pressure  O1.5 MPaO.7 MPa 1.5 bar7 bar  Structural design  Piston slide with sealing ring  Certification  CUL us - Recognized (OL)  Certificate issuing authority  UL MH19482  Degree of protection  IP40  With flow control option  Sealing principle  Soft  Mounting position  Any  Manual override  Petenting Non-detenting Non-detenting Vipe of control  Pilot-controlled  Pilot-controlled  Pilot air supply port  Internal  Capa  Capa  Overlap  Signal status display  LED  Max. switching frequency  2 Hz  Changeover time  8 ms  Puty cycle  100%  Max. positive test pulse with 0 signal  Max. positive test pulse with 0 signal  Any  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 pressure of the pres	Valve size	10 mm
Deperating voltage  24V DC  Operating pressure  0.15 MPa0.7 MPa 1.5 bar7 bar  1.5 bar7 bar  Operating pressure  0.15 MPa0.7 MPa 1.5 bar7 bar  Operating pressure  Operating pressure  Operating pressure  Operating pressure  Operating pressure  Operating authority  UL MH19482  Degree of protection  IP40  Exhaust air function  With flow control option  Sealing principle  Soft  Mounting position  Any  Manual override  Operating  Operating pressure  Internal  Owerlap  Overlap	Standard nominal flow rate	195 l/min
Departing pressure  0.15 MPa0.7 MPa 1.5 bar7 bar  Structural design  Piston slide with sealing ring  Certification  CUL us - Recognized (OL)  UL MH19482  Degree of protection  IP40  Schaust air function  With flow control option  Sealing principle  Mounting position  Any  Manual override  Detenting Non-detenting Vipe of control  Pilot-controlled	Pneumatic working port	M5
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 Pl40  Exhaust air function With flow control option  Schaust air function Soft  Mounting position Any  Manual override Detenting Non-detenting Non-detenting Non-detenting Pilot-controlled Pilot air supply port Internal Pilot direction Non-reversible  Lap Overlap  Signal status display LED  Changeover time Soft  Max. switching frequency 2 Hz  Changeover time Soft  Max. positive test pulse with 0 signal Soft per Sof	Operating voltage	24V DC
Certification       c UL us - Recognized (OL)         Certificate issuing authority       UL MH19482         Degree of protection       IP40         Exhaust air function       With flow control option         Sealing principle       Soft         Mounting position       Any         Manual override       Detenting Non-detenting         Type of control       Pilot-controlled         Pilot air supply port       Internal         Clow 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 with 0 signal       3000 μs         Coll 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	
Extificate issuing authority Degree of protection P40 Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Lap Overlap Signal status display LED Max. switching frequency Changeover time Smax Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coll characteristics Permissible voltage fluctuations Pilot 2 of Max. positive test pulse fluctuations Permissible voltage fluctuations Publication Parket Parke	Structural design	Piston slide with sealing ring
Degree of protection Detenting principle Manual override Detenting Non-detenting Detenting Detenting Non-detenting Detenting Detent	Certification	c UL us - Recognized (OL)
With flow control option  Sealing principle Soft  Mounting position Any  Manual override Detenting Non-detenting Non-detenting Pilot-controlled Pilot air supply port Internal Plow direction Any  Max. switching frequency Detenting frequency Detenting Non-reversible Duty cycle 100% Max. sositive test pulse with 0 signal Max. negative test pulse on 1 signal Detenting Detenting Detenting Non-detenting Non-det	Certificate issuing authority	UL MH19482
Soft Mounting position  Manual override  Manual override  Mounting position  Manual override  Detenting Non-detenting  Pilot-controlled  Pilot air supply port  Internal  Plow direction  Non-reversible  Deverlap  Signal status display  Max. switching frequency  Detenting  Any  Max. switching frequency  Detenting  Dow  Max. switching frequency  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Detenting  Detenting  Mon-detenting  Non-detenting  Non-d	Degree of protection	IP40
Mounting position  Manual override  Detenting Non-detenting  Pilot-controlled  Pilot air supply port  Internal  Plow direction  Non-reversible  Detenting Non-detenting  Overlap  Signal status display  Max. switching frequency  Changeover time  B ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Social characteristics  24 V DC: 0.8 W  Derraissible voltage fluctuations  +/- 10 %  Deparating medium  Any  Pilot-controlled  Non-detenting Non-d	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  Max. switching frequency  Changeover time  Name  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  Permissible voltage fluctuations  Permissible voltage fluctuations  Detenting Non-detenting  Pilot-controlled  Pilot -controlled  Pilot -control	Sealing principle	Soft
Non-detenting  Filot-controlled  Filot-controlle	Mounting position	Any
Dilot 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  Poperating medium  Internal	Manual override	
Flow direction  Non-reversible 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  +/- 10 %  Operating medium  Non-reversible  Non-reversible  Non-reversible  Non-reversible  Non-reversible  Non-reversible  Overlap  LED  8 ms  100%  8 ms  100%	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  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  4/- 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]
personal possible (required for faither use)	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 °C50 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C50 °C
Product weight	57 g
Electrical connection	2-pin Connection diagram H, horizontal connection Plug
Type of mounting	On terminal strip With through-hole
Pneumatic connection 2	M5
Pneumatic connection 4	M5
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy