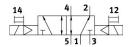
Air solenoid valve VUVG-LK10-B52-T-M7-1R8L-S

FESTO

Part number: 8042552





Data sheet

Actuation type Electrical Valve size 10 mm Standard nominal flow rate Peneumatic working port Operating voltage Operating pressure Operating pressure Operating pressure Ost MPa0.7 MPa0.7 MPa0.5 MPa0.7 MPa0.5 Mpa0.7 MPa0.5 Mpa0.7 MPa0.7 MPa0.5 Mpa0.7 MPa0.5 Mpa0.7 MPa0.5 Mpa0.7 MPa0.7 Mpa0.5 Mpa0.7 Mpa	Feature	Value
Valve size 10 mm Standard nominal flow rate 340 I/min Pneumatic working port M7 Operating voltage 24V DC Operating pressure 0.15 MPa0.7 MPa 1.5 bar7 bar Structural design Piston silde with sealing ring Certification Cultus - Recognized (OL) Certificate issuing authority UL MH19482 Degree of protection Exhaust air function With flow control option Sealing principle Soft Mounting position Manual override Detenting Non-detenting Non-detenting Ifor control Pilot-controlled Pilot-controlled Pilot-reversible Lap Signal status display LED Max. switching frequency 2 Hz Changeover time 8 ms Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse with 0 signal Golp characteristics 24 V DC. 0.8 W Permissible voltage fluctuations 7 /- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Valve function	5/2, bistable
Standard nominal flow rate Pneumatic working port Operating voltage Operating pressure Operating o	Actuation type	Electrical
Preumatic working port Operating voltage Operating voltage Operating pressure Operating authority Operating operating authority Operating o	Valve size	10 mm
Operating voltage Operating pressure Operating with sealing ring Operating of UL us - Recognized (OL) Operating authority Operating of UL ws - Recognized (OL) Operating authority Operating of Operating of Ul with 19482 Operating principle Operating principle Operating position Operating position Operating position Operating o	Standard nominal flow rate	340 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) Certificate issuing authority UL MH19482 Degree of protection Ebxhaust air function Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Your-detenting Fliot-controlled Pilot-controlled Pilot-controlled Pilot supply port Internal Flow direction Non-reversible Lap Overlap Signal status display LED Max. switching frequency Changeover time Duty cycle 100% Max. positive test pulse on 1 signal Max. negative test pulse on 1 signal Coil characteristics 24 V DC: 0.8 W Permissible voltage fluctuations (Compressed air as per ISO 8573-1:2010 [7:4:4])	Pneumatic working port	M7
1.5 bar7 bar Structural design Piston slide with sealing ring Certification Curvi us - Recognized (OL) Certificate issuing authority UL MH19482 Degree of protection Exhaust air function Sealing principle Mounting position Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Lap Overlap Signal status display LED Max. switching frequency Changeover time Duty cycle 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 Compressed air as per ISO 8573-1:2010 [7:4:4]	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 Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Lap Overlap Signal status display LED Max. switching frequency 2 Hz Changeover time 8 ms 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 1750 PC 100 P	Operating pressure	
Certificate issuing authority Degree of protection Exhaust air function Sealing principle Mounting position Manual override Mounting position Manual override Detenting Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Lap Overlap Signal status display Max. switching frequency Changeover time Duty cycle 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 (With flow control option With flow control option Soft Any Methodocometry Soft Any Methodocometry Soft Any Methodocometry Soft Mon-detenting Non-detenting Non-detent	Structural design	Piston slide with sealing ring
Degree of protection Exhaust air function Sealing principle Soft Mounting position Manual override Detenting Non-detenting Type of control Pilot air supply port Internal Plow direction Lap Overlap Signal status display Max. switching frequency Changeover time Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics Plow directions Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Non-reversible Overlap Signal status Signal status display LED Max. switching frequency 2 Hz Changeover time 8 ms Duty cycle 100% Max. positive test pulse with 0 signal 3000 µs Coil characteristics 24 V DC: 0.8 W Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Certification	c UL us - Recognized (OL)
Exhaust air function Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Flot-controlled Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Lap 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 Coil characteristics 24 V DC: 0.8 W Permissible voltage fluctuations Vith flow control option Soft Any With flow control option Soft Any Ment Compressed air as per ISO 8573-1:2010 [7:4:4]	Certificate issuing authority	UL MH19482
Sealing principle Mounting position Any Manual override Detenting Non-detenting Type of control Pilot-controlled Internal Flow direction Non-reversible Lap Signal status display 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 Operating medium Soft Any Detenting Non- Operating medium Detenting Non- Operating medium Detenting Non- Operating medium Detenting Non- Operating medium Detenting Non- Operating medium Detenting Non- Operating medium Detenting Non- Operating medium Detenting Non- Operating medium Detenting Non- Operating medium Detenting Non- Operating medium Detenting Non- Operating medium Detenting Non- Operating medium Detenting Non- Operating medium Detenting Any Non- Operating medium Detenting Non- Operating No	Degree of protection	IP65
Mounting position Manual override Detenting Non-detenting Type of control Pilot-controlled Internal Flow direction Non-reversible Lap Overlap Signal status display LED 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 Operating medium Any Detenting Non-detenting Non-de	Exhaust air function	With flow control option
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 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 Permissible voltage fluctuations Compressed air as per ISO 8573-1:2010 [7:4:4]	Sealing principle	Soft
Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Lap Overlap 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 Signal Coil characteristics Permissible voltage fluctuations Voperating medium Non-detenting Non-detenting Pilot-controlled Non-reversible Non-reversibl	Mounting position	Any
Pilot air supply port Internal Non-reversible Lap Overlap 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 Operating medium Internal Non-reversible Non-reversible 100W 1ED 2 Hz 100% 8 ms 100% 100% 100% 1000 100% 1000 100% 1000 100% 1000 100% 1000 100%	Manual override	
Flow direction Non-reversible Overlap 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 Non-reversible Non-reversible Non-reversible Non-reversible 1ED 1 Hz	Type of control	Pilot-controlled
Cignal status display LED Max. switching frequency Changeover time B 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 Operating medium Overlap Overlap Overlap Overlap Overlap Overlap 2 Hz Compressed air as per ISO 8573-1:2010 [7:4:4]	Pilot air supply port	Internal
Signal status display Max. switching frequency 2 Hz Changeover time 8 ms 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 LED 2 Hz Compressed air as per ISO 8573-1:2010 [7:4:4]	Flow direction	Non-reversible
Max. switching frequency2 HzChangeover time8 msDuty 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]	Lap	Overlap
Changeover time8 msDuty 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 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Changeover time	8 ms
Max. negative test pulse on 1 signal 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]	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]
Thornation on operating and prior media	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	3-pin M8x1 A-coded as per EN 61076-2-104 Plug
Type of mounting	On terminal strip With through-hole
Pneumatic connection 2	M7
Pneumatic connection 4	M7
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy