Air solenoid valve VUVG-LK10-B52-T-M7-1H2L-S

FESTO

Part number: 8042548





Data sheet

Actuation type	Feature	Value
Actuation type Electrical Valve size 10 mm Standard nominal flow rate 340 l/min Prevenatic working port M7 Operating voltage 24V DC Operating pressure 1.5 bar 7 bar Design Piston gate valve Degree of protection IP40 Type code VUVG Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Non-detenting Detenting Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00992897 Signal satus display LED Max. switching frequency 2 Hz Changeover time 7 ms Duty cycle 100% Max. negative test pulse on 1 signal 3000 µs Coli characteristics 24 V DC: 0.8 W Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8673-1:2010 [7:4	Valve function	5/2, bistable
Valve size 10 mm Standard nominal flow rate 340 l/min Pneumatic working port M7 Operating voltage 24V DC Operating pressure 1.5 bar 7 bar Design Piston gate valve Design Piston gate valve Degree of protection IP40 Type code VUVG Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Non-detenting Detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00992897 Signal status display LED Max. switching frequency 2 Hz Changeover time 7 ms Duty cycle 100% Max. positive test pulse with 0 signal 1600 µs Max. positive test pulse on 1 signal 3000 µs Coil characteristics 24 V DC: 0.8 W Permissible voltage fluctuations 4-/- 10 % Compressed air as per ISO 8673-1:2010 [7:4:4] Information on operating and pilot media Operation with severity level 1 as per FN 942017-4 and EN 80068-2-6 Shock resistance Shock resistance class (CRC) 2 - Moderate corrosion stress	Lap	Overlap
Standard nominal flow rate 340 l/min Pneumatic working port M7 Operating voltage 24V DC Operating pressure 1.5 bar 7 bar Design Piston gate valve Design Piston gate valve Degree of protection IP40 Type code VUVG Exhaust air function Soft Mounting position Any Manual override Non-detenting Detenting Type of control Pilot-controlled Pilot air supply port Internal Pilot air supply port Internal Pilow direction Non-reversible Symbol 00992897 Signal status display LED Max. switching frequency 2 Hz Changeover time 7 ms Duty cycle 100% Max. positive test pulse with 0 signal 3000 µs Max. positive test pulse on 1 signal 3000 µs Coil characteristics 24 V DC: 0.8 W Permissible voltage fluctuations Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Actuation type	Electrical
Pneumatic working port Operating voltage 24V DC Operating pressure 1.5 bar7 bar Design Piston gate valve Degree of protection IP40 VUVG Exhaust air function With flow control option Sealing principle Soft Mounting position Manual override Non-detenting Detenting Type of control Pilot-controlled Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00992897 Signal status display LED Max. switching frequency 2 Hz Changeover time 7 ms Duty cycle 100% Max. negative test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 24 V DC: 0.8 W Permissible voltage fluctuations Vibration resistance Transport application test with severity level 1 as per FN 942017-5 and EN 60068-2-26 Corrosion resistance Shock resistance Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Valve size	10 mm
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Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol O0992897 Signal status display LED Max. switching frequency 2 Hz Changeover time 7 ms Duty cycle 100% Max. negative 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 V-/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Shock resistance Shock resistance Shock resistance class (CRC) 2 - Moderate corrosion stress	Mounting position	Any
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Max. switching frequency Changeover time 7 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 4/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Symbol	00992897
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Duty cycle Max. positive test pulse with 0 signal 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] Information on operating and pilot media 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) 2 - Moderate corrosion stress	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 4/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media 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) 2 - Moderate corrosion stress	Changeover time	7 ms
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] Information on operating and pilot media 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) 2 - Moderate corrosion stress	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] Information on operating and pilot media Operation with oil lubrication possible (required for further use) 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) 2 - Moderate corrosion stress	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] Information on operating and pilot media Operation with oil lubrication possible (required for further use) 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) 2 - Moderate corrosion stress	Max. negative test pulse on 1 signal	3000 µs
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) 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) 2 - Moderate corrosion stress	Coil characteristics	24 V DC: 0.8 W
Information on operating and pilot media Operation with oil lubrication possible (required for further use) 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) 2 - Moderate corrosion stress	Permissible voltage fluctuations	+/- 10 %
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) 2 - Moderate corrosion stress	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
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) 2 - Moderate corrosion stress	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Vibration resistance	
	Shock resistance	
Temperature of medium -5 °C 50 °C	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
	Temperature of medium	-5 °C 50 °C

Feature	Value
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C 50 °C
Product weight	57 g
Electrical connection	Connection diagram H, horizontal connection 2-pin Plug
Type of mounting	On terminal strip With through-hole
Pneumatic connection 2	M7
Pneumatic connection 4	M7
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy