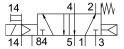
Solenoid valve VUVG-B18-M52-RZ-F-P1

Part number: 8033565







Data sheet

Actuation type Electrical 18 mm Standard nominal flow rate 1000 l/min Pheumatic working port Doperating pressure -0.09 MPa1 MPa -0.9 bar10 bar Structural design Piston gate valve Reset method Certificate issuing authority UL M*119482 Degree of protection IP65 With electrical pilot valve and plug socket Nominal width 6.9 mm Exhaust air function Sealing principle Soft Mounting position Any Pilot control led Pilot-controlled Pilot pressure MPa Pilot pressure MPa Don switching time off Don switching time off Don switching time off Don switching time off Max. negative test pulse with 0 signal Max. negative test pulse with 0 signal Mounting none in the switch severily level 2 as per FN 942017-4 and EN 60068-26 Wibtation resistance Transport application test with severily level 2 as per FN 942017-4 and EN 60068-26 Transport application test with severily level 2 as per FN 942017-4 and EN 60068-26 Transport application test with severily level 2 as per FN 942017-4 and EN 60068-26	Feature	Value
Valve size Standard nominal flow rate Pneumatic working port Pneumatic working port Pneumatic working pressure -0.09 MPa1 MPa -0.9 bar10 bar Structural design Piston gate valve Reset method Mechanical spring Certification c UL us - Recognized (OL) Certificate issuing authority UL MH19482 Degree of protection IP65 With electrical pilot valve and plug socket Nominal width 6.9 mm Exhaust air function With flow control option Senting principle Mounting position Any Type of control Pilot-controlled Pilot air supply port External Lap Indefinite overlap Pilot pressure MPa 0.25 MPa0.8 MPa Pilot pressure MPa 0.25 bar8 bar Switching time off 0.2 ms On switching time off 16 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Valve function	5/2, monostable
Standard nominal flow rate Pneumatic working port Preumatic working port Preumatic working port Preumatic working port Preumatic working port Plange Operating pressure Operating pressure Operating pressure Operating pressure Piston gate valwe Reset method Mechanical spring Certification Cut Lus - Recognized (Ot) Certificate issuing authority UL MH19482 Degree of protection Ple5 With electrical pilot valwe and plug socket Nominal width Operating principle Soft Mounting position Priype of control Pilot-controlled Pilot air supply port External Lap Indefinite overlap Pilot pressure MPa Operating time off On switching time off On switching time off On switching time off On switching time On switching time On switching time On switching time On switching test pulse with 0 signal Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Operating medium Operating medium Operating with severity level 2 as per FN 942017-4 and EN 60068-2-6	Actuation type	Electrical
Preumatic working port Operating pressure Operating authority Operating medium Operating medium Operating medium opsition Operating medium opsition Operating medium operating authority Operating medium operating and pilot media Operating medium operating leave author operating leave for further use) Operating medium operating leave author such as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Operating medium operating and pilot media Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use) Operation with oil lubrication test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Valve size	18 mm
Operating pressure Operating authority Operating operating operating operating operating price pressure Operating pressure Operation with oil lubrication possible (required for further use) Operation with oil lubrication test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Standard nominal flow rate	1000 l/min
Structural design Piston gate valve Reset method Mechanical spring Certification Cultus - Recognized (OL) Certificate issuing authority UL MH19482 Degree of protection Piston gate valve Nominal width 6.9 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Type of control Pilot air supply port Lap Pilot pressure MPa Pilot pressure Switching time off On switching time Duty cycle Max. negative test pulse with 0 signal Max. negative test pulse with 0 signal Operating medium Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pneumatic working port	Flange
Reset method Mechanical spring Certification c UL us - Recognized (OL) Certificate issuing authority UL MH19482 Degree of protection IP65 With electrical pilot valve and plug socket Nominal width 6.9 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Type of control Pilot-controlled Pilot air supply port External Lap Indefinite overlap Pilot pressure MPa 0.25 MPa0.8 MPa Pilot pressure MPa 0.25 MPa0.8 MPa Pilot pressure Switching time off 22 ms On switching time 01 16 ms Duty cycle 100% Max. negative test pulse with 0 signal 900 µs Max. negative test pulse on 1 signal 900 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 2 as per FN 942017-4 and EN 60068-2-6	Operating pressure	
Certification cUL us - Recognized (OL) Certificate issuing authority Degree of protection IP65 With electrical pilot valve and plug socket Nominal width 6.9 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Iype of control Pilot-controlled Pilot air supply port External Lap Indefinite overlap Pilot pressure MPa O.25 MPa0.8 MPa Pilot pressure 2.5 bar8 bar Switching time off On switching time Don's switching time Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal 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 2 as per FN 942017-4 and EN 60068-2-6	Structural design	Piston gate valve
Certificate issuing authority Degree of protection Degree of pro	Reset method	Mechanical spring
Degree of protection P65 With electrical pilot valve and plug socket	Certification	c UL us - Recognized (OL)
With electrical pilot valve and plug socket Nominal width 6.9 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Type of control Pilot-controlled Pilot air supply port External Lap Indefinite overlap Pilot pressure MPa 0.25 MPa0.8 MPa Pilot pressure 2.5 bar8 bar Switching time off 22 ms On switching time 16 ms Duty cycle 100% 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] Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Certificate issuing authority	UL MH19482
Exhaust air function Sealing principle Soft Mounting position Any Type of control Pilot-controlled Pilot air supply port Lap Indefinite overlap Pilot pressure MPa O.25 MPa0.8 MPa Pilot pressure 2.5 bar8 bar Switching time off 22 ms On switching time 16 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] Information on operating and pilot media Vibration resistance With flow control option Soft Any High flow control option Soft Any Any High flow control option Any High flow control option Soft Any High flow control option High flow con	Degree of protection	
Sealing principle Mounting position Any Type of control Pilot-controlled External Lap Indefinite overlap Pilot pressure MPa Pilot pressure 2.5 bar8 bar Switching time off 22 ms On switching time 16 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] Information on operating and pilot media Vibration resistance Soft Any Pilot-controlled External External Lap Indefinite overlap 0.25 MPa0.8 MPa 2.5 bar8 bar 22 ms 16 ms 10 ms 20 ms 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) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Nominal width	6.9 mm
Mounting position Any Type of control Pilot-controlled Pilot air supply port External Lap Indefinite overlap Pilot pressure MPa 0.25 MPa0.8 MPa Pilot pressure 2.5 bar8 bar Switching time off 22 ms On switching time 16 ms Duty cycle 100% Max. positive test pulse with 0 signal 700 μs Max. negative test pulse on 1 signal 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 2 as per FN 942017-4 and EN 60068-2-6	Exhaust air function	With flow control option
Pilot air supply port External Lap Indefinite overlap Pilot pressure MPa O.25 MPa0.8 MPa Pilot pressure Switching time off 22 ms On switching time 16 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] Information on operating and pilot media Vibration resistance Pilot-controlled External Indefinite overlap 0.25 MPa0.8 MPa 2.5 bar8 bar 22 ms 100% 100% Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Sealing principle	Soft
Pilot air supply port Lap Indefinite overlap Indefinite overlap 0.25 MPa0.8 MPa Pilot pressure MPa 2.5 bar8 bar Switching time off 22 ms On switching time 16 ms Duty cycle 100% Max. positive test pulse with 0 signal 700 μs Max. negative test pulse on 1 signal 900 μs 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 2 as per FN 942017-4 and EN 60068-2-6	Mounting position	Any
Indefinite overlap Pilot pressure MPa 0.25 MPa0.8 MPa 2.5 bar8 bar Switching time off 22 ms On switching time 16 ms Duty cycle 100% 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] Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Type of control	Pilot-controlled
Pilot pressure MPa 0.25 MPa0.8 MPa 2.5 bar8 bar Switching time off 22 ms On switching time 16 ms Duty cycle 100% 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] Information on operating and pilot media Wibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pilot air supply port	External
Pilot pressure 2.5 bar8 bar Switching time off 22 ms On switching time 16 ms Duty cycle 100% Max. positive test pulse with 0 signal 700 μs Max. negative test pulse on 1 signal 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 2 as per FN 942017-4 and EN 60068-2-6	Lap	Indefinite overlap
Switching time off 22 ms On switching time 16 ms Duty cycle 100% Max. positive test pulse with 0 signal 700 μs Max. negative test pulse on 1 signal 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 2 as per FN 942017-4 and EN 60068-2-6	Pilot pressure MPa	0.25 MPa0.8 MPa
16 ms Duty cycle 100% Max. positive test pulse with 0 signal 700 μs Max. negative test pulse on 1 signal 900 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 2 as per FN 942017-4 and EN 60068-2-6	Pilot pressure	2.5 bar8 bar
Duty cycle 100% Max. positive test pulse with 0 signal 700 μs Max. negative test pulse on 1 signal 900 μs 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 2 as per FN 942017-4 and EN 60068-2-6	Switching time off	22 ms
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] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	On switching time	16 ms
Max. negative test pulse on 1 signal 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 2 as per FN 942017-4 and EN 60068-2-6	Duty cycle	100%
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 2 as per FN 942017-4 and EN 60068-2-6	Max. positive test pulse with 0 signal	700 μs
Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Max. negative test pulse on 1 signal	900 μs
Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
EN 60068-2-6	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27

Feature	Value
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-5 ℃60 ℃
Ambient temperature	-5 ℃60 ℃
Product weight	142 g
Electrical connection	Via electric pilot valve
Type of mounting	On terminal strip
Pilot interface	as per ISO 15218
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy