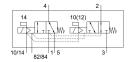
Solenoid valve VUVG-S10-T32H-MZT-M7-1T1L

Part number: 573403







Data sheet

Type of actuation Electric Valve size 10 mm Standard nominal flow rate 140 I/min Deperating voltage 24V DC Deperating voltage Operating pressure Operating priston pressure Operating pressure Operat	Feature	Value
Valve size 10 mm Standard nominal flow rate 140 l/min Departing voltage 24V DC Departing pressure -0.99 MPa1 MPa -0.99 bar10 bar Design Piston gate valve Type of reset Mechanical spring Approval CUL us - Recognized (OL) Degree of protection Pie67 Exhaust-air function Soft Soft Mounting position optional Manual override Detenting Mounting position Pilot air supply External Flow direction Reversible Jap Positive overlap Eignal status display LED Max. switching frequency 3 Hz Switching time on 10 ms Duty cycle Max. negative test pulse with 0 signal Max. negative test pulse with 1 signal	Valve function	2x3/2-way, open/closed, monostable
Standard nominal flow rate presume to working port presume to working port presume to working port presume to the presume to working port pressure	Type of actuation	Electric
Departing voltage Departing pressure Design Design Piston gate valve Type of reset Approval Design protection Design p	Valve size	10 mm
Departing voltage Departing pressure Design Design Piston gate valve Mechanical spring Approval Cut us - Recognized (Ot) Degree of protection Piest Exhaust-air function Exhaust-air function With flow control option Soaling principle Mounting position Detenting Non-detenting Pilot actuated Pilot actuated Pilot actuated Pilot actuated Pilot actuated Pilot actuated Pilot pressure Designal status display LED Pilot pressure Desmanda overide Desmanda overide Desmanda overide Desmanda overide Desmanda overide Detenting Non-detenting Pilot actuated Pilot actuated Pilot actuated Pilot pressure Desmanda overide Desmanda ov	Standard nominal flow rate	140 l/min
Design Piston gate valve Design Piston gate valve Design Mechanical spring Approval C UL us - Recognized (OL) Degree of protection Pip67 Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override Detenting Non-detenting Pilot actuated Pilot air supply External Flow direction Reversible Jap Positive overlap Signal status display LED Pilot pressure 0.2 MPa0 8 MPa 2 bar8 bar Max. switching frequency 3 Hz Switching time off 20 ms Switching time on 10 ms Duty cycle Max. negative test pulse with 0 signal Max. negative test pulse with 1 signal Piston gate valve Mechanical spring Piston gate valve Mechanical spring Aberhancial spring Detuning Postive overlop options Positive overlap Signal status display LED On S Switching time off 20 ms Switching time on 10 ms Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal 3000 μs	pneumatic working port	M7
-0.9 bar10 bar Piston gate valve Rype of reset Mechanical spring Cut us - Recognized (Ot) Degree of protection Piston gate valve With flow control option Sealing principle Soft Mounting position Wanual override Manual override Pilot actuated Pilot air supply External Flow direction Reversible Jap Positive overlap Pilot pressure O 2 MPa0.8 MPa 2 bar8 bar Max. switching frequency Switching time off Switch of signal Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Mechanical spring Piston gate valve Mechanical spring Mechanical sp	Operating voltage	24V DC
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Approval c UL us - Recognized (OL) Degree of protection IP65 IP67 Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Jap Positive overlap Signal status display LED Pilot pressure O.2 MPa0.8 MPa 2 bar8 bar Max. switching frequency 3 Hz Switching time off 20 ms Switching time on 10 ms Duty cycle 100% Max. negative test pulse with 0 signal 1600 μs Max. negative test pulse with 1 signal 3000 μs	Design	Piston gate valve
Degree of protection IP65 IP67 Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Jap Positive overlap Signal status display LED Pilot pressure 0.2 MPa0.8 MPa 2 bar8 bar Max. switching frequency 3 Hz Switching time off 20 ms Switching time on 10 ms Duty cycle 1000 µs Max. negative test pulse with 0 signal 1600 µs Max. negative test pulse with 1 signal 3000 µs	Type of reset	Mechanical spring
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Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Iap Positive overlap Signal status display LED Pilot pressure 0.2 MPa0.8 MPa 2 bar8 bar Max. switching frequency 3 Hz Switching time off 20 ms Switching time on 10 ms Duty cycle 100% Max. positive test pulse with 0 signal 1600 μs Max. negative test pulse with 1 signal 3000 μs	Mounting position	optional
Pilot air supply External Reversible Reversible Rep Reversible Rep Reversible Rep Reversible Rep Reversible Re	Manual override	
Flow direction Reversible Positive overlap LED Pilot pressure 0.2 MPa0.8 MPa 2 bar8 bar Max. switching frequency 3 Hz Switching time off 20 ms Switching time on 10 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Reversible 100 Reversible 100 100 100 100 100 100 100 1	Type of piloting	Pilot actuated
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Pilot pressure 0.2 MPa0.8 MPa 2 bar8 bar Max. switching frequency 3 Hz Switching time off 20 ms Switching time on 10 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal 3000 µs	lap	Positive overlap
2 bar8 bar Max. switching frequency 3 Hz Switching time off 20 ms Switching time on 10 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal 3000 μs	Signal status display	LED
Switching time off 20 ms Switching time on 10 ms Duty cycle 100% Max. positive test pulse with 0 signal 1600 µs Max. negative test pulse with 1 signal 3000 µs	Pilot pressure	
Switching time on 10 ms Duty cycle 100% Max. positive test pulse with 0 signal 1600 µs Max. negative test pulse with 1 signal 3000 µs	Max. switching frequency	3 Hz
Duty cycle 100% Max. positive test pulse with 0 signal 1600 μs Max. negative test pulse with 1 signal 3000 μs	Switching time off	20 ms
Max. positive test pulse with 0 signal 1600 μs Max. negative test pulse with 1 signal 3000 μs	Switching time on	10 ms
Max. negative test pulse with 1 signal 3000 μs	Duty cycle	100%
	Max. positive test pulse with 0 signal	1600 μs
Characteristic coil data 22 V DC: 1.0 W	Max. negative test pulse with 1 signal	3000 μs
	Characteristic coil data	22 V DC: 1.0 W

Feature	Value
Permissible voltage fluctuations	+/- 10 %
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-5 °C60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C60 °C
Product weight	59 g
Electrical connection	Via sub-base
Type of mounting	On manifold rail
Pneumatic connection, port 2	M7
Pneumatic connection, port 4	M7
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Wrought aluminium alloy