Pneumatic valve VUWS-LT25-T32U-M-N14

Part number: 8035227



Data sheet

Actuation type Pneumatic Valve size 26.5 mm Standard nominal flow rate 1000 (/inin Pneumatic 0.09 MPa1 MPa Operating pressure -0.9 Dar1 0 bar Structural design Plate seat Reset method Mechanical spring Certification CUL us - Recognized (OL) Nominal Width -6.6 mm Exhaust air function With flow control option Sealing principle Soft Manual override None Type of control Direct Pilot pressure 0.25 MPa1 MPa Pilot pressure 0.25 MPa1 MPa Pilot pressure Soft Soft of Direct Pilot pressure None Type of control Direct Pilot pressure MPa 0.25 MPa1 MPa Pilot pressure 2.5 bar10 bar Switching time off 30 ms On sultching time Z ms Explosion prevention and protection Observe the information on the certificate Zone 21 (ATEX) Zone	Feature	Value
Standard nominal flow rate 26.5 mm Standard nominal flow rate 1000 l/min Pneumatic working port 1/4 NPT Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Structural design Structural design Plate seat Reset method Mechanical spring Certification c UL us - Recognized (OL) Nominal width 6.6 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Type of control Direct Pilot air supply port Internal Flow direction Non-reversible Lap 0.25 MPa1 MPa Pilot pressure 2.5 bar10 bar Switching time off 30 ms On switching time 7 ms Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 21 (ATEX) Zo	Valve function	2x3/2, open, monostable
Standard nominal flow rate 1000 l/min Pneumatic working port 1/4 NPT Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Structural design Plate seat Reset method Mechanical spring Certification c UL us - Recognized (OL) Nominal width 6.6 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Type of control Direct Pilot air supply port Internal Flow direction No.19 werestible Lap Underlap Pilot pressure 2.5 bar10 bar Switching time off 30 ms On switching time 7 ms Explosion prevention and protection Observe the information on the certificate Zone 21 (ATEX) Zone 21	Actuation type	Pneumatic
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Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Structural design Plate seat Reset method Mechanical spring Certification c UL us - Recognized (0L) Nominal width 6.6 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override None Type of control Direct Plot air supply port Internal Flow direction Non-reversible Lap Underlap Plot pressure 2.5 bar10 bar Switching time off 30 ms On switching time 7 ms Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 2 (ATEX) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Standard nominal flow rate	1000 l/min
-0.9 bar10 barStructural designPlate seatReset methodMechanical springCertificationc UL us - Recognized (OL)Nominal width6.6 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyManual overrideNoneType of controlDirectPlot air supply portInternalFlow directionNon-reversibleLapUnderlapPilot pressure MPa0.25 MPa1 MPaPilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 21 (ATEX)<	Pneumatic working port	1/4 NPT
Reset methodMechanical springCertificationc UL us - Recognized (OL)Nominal width6.6 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyManual overrideNoneType of controlDirectPilot air supply portInternalFlow directionNon-reversibleLapUnderlapPilot pressure2.5 Ma1 MPaSwitching time off30 msOn switching time offObserve the information on the certificate Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX)Operating mediumOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 06068-2-6	Operating pressure	
Certificationc UL us - Recognized (OL)Nominal width6.6 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyManual overrideNoneType of controlDirectPilot air supply portInternalFlow directionNon-reversibleLapUnderlapPilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Structural design	Plate seat
Nominal width6.6 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyManual overrideNoneType of controlDirectPilot air supply portInternalFlow directionNon-reversibleLapUnderlapPilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 22 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX)Operating mediumOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Reset method	Mechanical spring
Exhaust air functionWith flow control optionSealing principleSoftMounting positionAnyManual overrideNoneType of controlDirectPilot air supply portInternalFlow directionNon-reversibleLapUnderlapPilot pressure MPa0.25 MPa1 MPaPilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Certification	c UL us - Recognized (OL)
Sealing principleSoftMounting positionAnyManual overrideNoneType of controlDirectPilot air supply portInternalFlow directionNon-reversibleLapUnderlapPilot pressure MPa0.25 MPa1 MPaPilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Nominal width	6.6 mm
Mounting positionAnyManual overrideNoneType of controlDirectPilot air supply portInternalFlow directionNon-reversibleLapUnderlapPilot pressure MPa0.25 MPa1 MPaPilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Exhaust air function	With flow control option
Manual overrideNoneType of controlDirectPilot air supply portInternalFlow directionNon-reversibleLapUnderlapPilot pressure MPa0.25 MPa1 MPaPilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Sealing principle	Soft
Type of controlDirectPilot air supply portInternalFlow directionNon-reversibleLapUnderlapPilot pressure MPa0.25 MPa1 MPaPilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Mounting position	Any
Pilot air supply portInternalPilot air supply portInternalFlow directionNon-reversibleLapUnderlapPilot pressure MPa0.25 MPa1 MPaPilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Manual override	None
Flow directionNon-reversibleLapUnderlapPilot pressure MPa0.25 MPa1 MPaPilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Type of control	Direct
LapUnderlapPilot pressure MPa0.25 MPa1 MPaPilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pilot air supply port	Internal
Pilot pressure MPa0.25 MPa1 MPaPilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Flow direction	Non-reversible
Pilot pressure2.5 bar10 barSwitching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Lap	Underlap
Switching time off30 msOn switching time7 msExplosion prevention and protectionObserve the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pilot pressure MPa	0.25 MPa1 MPa
On switching time 7 ms Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) 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 bar10 bar
Explosion prevention and protection Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) 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	Switching time off	30 ms
Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	On switching time	7 ms
Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX)
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	
Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Vibration resistance	
	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27



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Feature	Value
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom class	Class 6 according to ISO 14644-1
Temperature of medium	-5 °C60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C60 °C
Product weight	411 g
Type of mounting	On terminal strip With through-hole Optionally:
Venting hole connection	Not ducted
Pilot air port 10	10-32 UNF-2B
Pneumatic connection 1	1/4 NPT
Pneumatic connection 2	1/4 NPT
Pneumatic connection 3	1/4 NPT
Pneumatic connection 4	1/4 NPT
Pneumatic connection 5	1/4 NPT
Note on materials	RoHS-compliant
Seals material	HNBR NBR TPE-U(PU)
Housing material	Die-cast aluminum Painted
Material of screws	Steel, galvanized