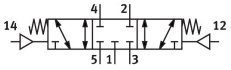
Pneumatic valve
VUWS-L20-P53C-M-N18

Part number: 575709





Data sheet

Feature	Value
Valve function	5/3-way, closed
Actuation type	Pneumatic
Valve size	21 mm
Normal nominal flow rate (normalized to DIN 1343)	700 l/min
Pneumatic working port	1/8 NPT
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Certification	c UL us - recognized (OL)
Nominal width	5 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	None
Type of control	directly
Pilot air supply port	Internal
Flow direction	Reversible
Lap	Positive overlap
Pilot pressure MPa	0.25 MPa...1 MPa
Pilot pressure	2.5 bar...10 bar
Switching time off	44 ms
On switching time	10 ms
Changeover time	26 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

Feature	Value
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Temperature of medium	-10 °C...60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C...60 °C
Product weight	171 g
Type of mounting	Alternatively: On terminal strip With through-hole
Venting hole connection	Not ducted
Pneumatic connection 1	1/8 NPT
Pneumatic connection 2	1/8 NPT
Pneumatic connection 3	1/8 NPT
Pneumatic connection 4	1/8 NPT
Pneumatic connection 5	1/8 NPT
Note on materials	RoHS compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum Painted
Piston slide material	high-alloy stainless steel
Material of screws	Galvanized steel