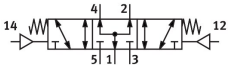
Pneumatic valve
VSPA-B-P53U-D1

Part number: 8033643





Data sheet

Feature	Value
Valve function	5/3-way, pressurised
Type of actuation	Pneumatic
Construction width	42 mm
Nominal flow rate standardised according to ISO 8778	1600 l/min
pneumatic working port	Sub-base size 1 to ISO 5599-1
Operating pressure	-0.09 MPa...1.6 MPa -0.9 bar...16 bar
Design	Piston gate valve
Nominal size	8 mm
Exhaust-air function	Via individual sub-base
Sealing principle	Soft
Mounting position	Any
Type of piloting	Direct
Pilot air supply	External
Flow direction	Reversible
lap	Overlap
Pilot pressure	0.3 MPa...1.6 MPa 3 bar...16 bar
Suitability for vacuum	Yes
b value	0.14
C value	6799 l/sbar
Flow rate of valve	1500 l/min
Flow rate of valve on individual sub-base	1300 l/min
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	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-10 °C...60 °C

Feature	Value
Sound pressure level	85 dB(A)
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Max. tightening torque for valve mounting	1 Nm
Product weight	345 g
Type of mounting	On sub-base
Pilot air port 12	Sub-base size 1 to ISO 5599-1
Pilot air port 14	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 1	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 2	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 3	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 4	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 5	Sub-base size 1 to ISO 5599-1
Note on materials	RoHS compliant
Material seals	NBR
Material housing	Die-cast aluminium
Material screws	Steel Galvanised