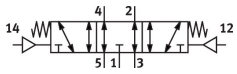
Pneumatic valve
VL-5/3E-1/4-B

Part number: 14297





Data sheet

Feature	Value
Valve function	5/3 exhausted
Actuation type	Pneumatic
Width	32 mm
Normal nominal flow rate (normalized to DIN 1343)	1600 l/min
Pneumatic working port	G1/4
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Nominal width	10 mm
Width dimension	33 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	None
Type of control	directly
Pilot air supply port	External
Flow direction	Reversible
Lap	Positive overlap
Pilot pressure MPa	0.3 MPa...1 MPa
Pilot pressure	3 bar...10 bar
b-value	0.38
C value	6.35 l/sbar
Max. switching frequency	3 Hz
Switching time off	26 ms
On switching time	6 ms
Changeover time	35 ms
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)
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-40 °C...60 °C

Feature	Value
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	375 g
Type of mounting	Alternatively: On PR manifold rail With through-hole
Pilot air port 12	G1/8
Pilot air port 14	G1/8
Pneumatic connection 1	G1/4
Pneumatic connection 2	G1/4
Pneumatic connection 3	G1/4
Pneumatic connection 4	G1/4
Pneumatic connection 5	G1/4
Note on materials	RoHS compliant
Seals material	NBR
Housing material	Die-cast aluminum