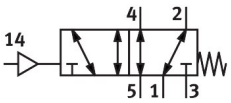
Pneumatic valve
VL-5/2-D-3-FR-C

Part number: 151863





Data sheet

Feature	Value
Valve function	5/2-way, monostable
Actuation type	Pneumatic
Width	65 mm
Normal nominal flow rate (normalized to DIN 1343)	4500 l/min
Pneumatic working port	Sub-base, size 3 as per ISO 5599-1 G1/2
Operating pressure	-0.09 MPa...1.6 MPa -0.9 bar...16 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Certification	c UL us - recognized (OL)
Nominal width	14.5 mm
Width dimension	71 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	None
ISO code	304
Type of control	directly
Flow direction	Reversible
Lap	Positive overlap
Pilot pressure MPa	0.3 MPa...1.6 MPa
Pilot pressure	3 bar...16 bar
Switching time off	43 ms
On switching time	13 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)
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
LABS (PWIS) conformity	VDMA24364-B1/B2-L

Feature	Value
Temperature of medium	-10 °C...60 °C
Noise level	85 dB(A)
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C...60 °C
Product weight	810 g
Type of mounting	On sub-base With through-hole and screw
Pilot air port 14	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 1	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 2	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 3	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 4	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 5	Sub-base, size 3 as per ISO 5599-1
Note on materials	RoHS compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum