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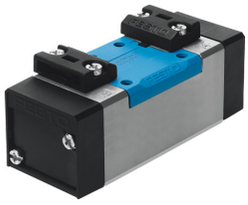
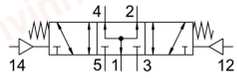
Pneumatic valve
VL-5/3B-D-3-C

Part number: 151869

FESTO





Data sheet

Feature	Value
Valve function	5/3-way, pressurised
Type of actuation	Pneumatic
Construction width	65 mm
Standard nominal flow rate	4100 l/min
pneumatic working port	Sub-base size 3 to ISO 5599-1 G1/2
Operating pressure	-0.09 MPa ... 1.6 MPa
Operating pressure	-0.9 bar ... 16 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Approval	c UL us - Recognized (OL)
Nominal size	14.5 mm
Grid dimension	71 mm
Exhaust-air function	With flow control option
Sealing principle	Soft
Mounting position	optional
Conforms to standard	ISO 5599-1
Manual override	None
ISO code	307
Type of piloting	Direct
Flow direction	Reversible
Symbol	00991022
lap	Positive overlap
Pilot pressure	3 bar ... 16 bar
Switching time off	60 ms
Switching time on	16 ms
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 1 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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-10 °C ... 60 °C
Sound pressure level	85 dB(A)
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]

Feature	Value
Ambient temperature	-10 °C ... 60 °C
Product weight	910 g
Type of mounting	On sub-base Via through-hole and screw
Pilot air port 12	Sub-base size 3 to ISO 5599-1
Pilot air port 14	Sub-base size 3 to ISO 5599-1
Pneumatic connection, port 1	Sub-base size 3 to ISO 5599-1
Pneumatic connection, port 2	Sub-base size 3 to ISO 5599-1
Pneumatic connection, port 3	Sub-base size 3 to ISO 5599-1
Pneumatic connection, port 4	Sub-base size 3 to ISO 5599-1
Pneumatic connection, port 5	Sub-base size 3 to ISO 5599-1
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Die-cast aluminium

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