

Pneumatic valve VL-5-1/2

Part number: 9445

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Valve function	5/2-way, single solenoid
Type of actuation	Pneumatic
Construction width	52 mm
Standard nominal flow rate (standardised to DIN 1343)	3700 l/min
pneumatic working port	G1/2
Operating pressure	0 MPa ... 1 MPa
Operating pressure	0 bar ... 10 bar
Design	Poppet seat
Type of reset	Mechanical spring
Nominal size	14 mm
Grid dimension	69 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	None
Type of piloting	Direct
Pilot air supply	External
Flow direction	Non-reversible
Symbol	00991001
lap	Underlap
Pilot pressure	0.12 MPa ... 1 MPa
Pilot pressure	1.2 bar ... 10 bar
b value	0.32
C value	17.65 l/sbar
Switching time off	27 ms
Switching time on	3 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)
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C ... 60 °C
Media temperature	-10 °C ... 60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C ... 60 °C
Product weight	1070 g

Feature	Value
Type of mounting	On manifold rail With through-hole
Pilot air port 14	G1/4
Pneumatic connection, port 1	G1/2
Pneumatic connection, port 2	G1/2
Pneumatic connection, port 3	G1/2
Pneumatic connection, port 4	G1/2
Pneumatic connection, port 5	G1/2
Note on materials	RoHS compliant
Material seals	NBR TPE-U(PU)
Material housing	Die-cast aluminium