

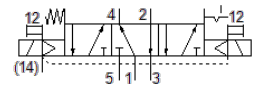
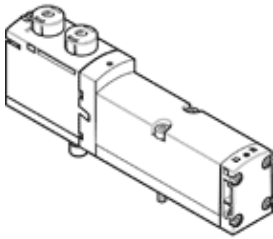
# solenoid valve

## VSVA-B-P53BD-ZH-A1-1T1L

Part number: 8039188

FESTO

This type is suitable for vacuum.



## Data sheet

Feature	Value
Valve function	5/3-way, connection 4 pressurised, 2 exhausted
Type of actuation	electrical
Width	26 mm
Standard nominal flow rate	850 l/min
Operating pressure	-0.9 ... 10 bar
Design structure	Piston slide
Type of reset	mechanical spring Electrical activation
Authorisation	CSA (OL) c UL us - Recognized (OL)
Protection class	IP65 NEMA 4
Nominal size	9 mm
Exhaust-air function	throttleable Via throttle plate Via individual sub-base
Sealing principle	soft
Assembly position	Any
Manual override	Pushing
Type of piloting	Piloted
Pilot air supply	external
Flow direction	non reversible
Overlap	Underlap
Signal status display	LED
Pilot pressure	3 ... 10 bar
Flow rate of valve on individual sub-base	900 l/min
Optimised flow rate of valve pneumatically concatenated flow	950 l/min
Flow rate of pneumatically linked valve	850 l/min
Asymmetrical switching time off	26 ms for control side 12 36 ms for control side 14
Asymmetrical switching time on	16 ms for control side 12 9 ms for control side 14
Duty cycle	100 %
Max. positive test pulse with logic 0	1,200 µs
Max. negative test pulse with logic 1	1,100 µs
Nominal operating voltage DC	24 V
Characteristic coil data	24 V DC: 1.6 W
Surge strength	2.5 kV
Degree of contamination	3
Permissible voltage fluctuation	+/- 10 %
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)

<b>Feature</b>	<b>Value</b>
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	0 - No corrosion stress
Medium temperature	-5 ... 50 °C
Relative air humidity	0 - 90 %
Sound pressure level	85 dB(A)
Ambient temperature	-5 ... 50 °C
Max. tightening torque, valve mounting	1.8 ... 2.2 Nm
Product weight	301 g
Electrical connection	4-pin Plug according to ISO 15407-2
Mounting type	On sub-base
Auxiliary pilot air port 12/14	Connection plate size 26 mm, according to ISO 15407-1
Pilot exhaust port 82/84	Optional Ducted Non-ducted
Pneumatic connection, port 1	Manifold block, size 26 mm acc. to ISO 15407-2
Pneumatic connection, port 2	Manifold block, size 26 mm acc. to ISO 15407-2
Pneumatic connection, port 3	Manifold block, size 26 mm acc. to ISO 15407-2
Pneumatic connection, port 4	Manifold block, size 26 mm acc. to ISO 15407-2
Pneumatic connection, port 5	Manifold block, size 26 mm acc. to ISO 15407-2
Materials note	Conforms to RoHS
Material seals	FPM NBR
Material housing	Aluminium die cast PA
Material screws	Galvanised steel