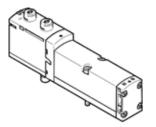
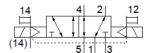
solenoid valve VSVA-B-B52-ZD-A1-2AT1L Part number: 539143

For valve terminals VTSA and VTSA-F.







Data sheet

Feature	Value
Valve function	5/2 bistable
Type of actuation	electrical
Width	26 mm
Standard nominal flow rate	1,100 l/min
Operating pressure	-0.9 10 bar
Design structure	Piston slide
CE mark (see declaration of conformity)	to EU directive low-voltage devices
Protection class	IP65
	NEMA 4
Exhaust-air function	throttleable
	Via throttle plate
	Via individual sub-base
Sealing principle	soft
Assembly position	Any
Manual override	detenting
	Pushing
	Covered
Type of piloting	Piloted
Pilot air supply	external
cr.)	Internal
Flow direction	Any
Overlap	Positive overlap
Signal status display	LED
Pilot pressure	3 10 bar
Flow rate of valve	1,400 l/min
Flow rate of valve on individual sub-base	1,200 l/min
Optimised flow rate of valve pneumatically concatenated flow	1,350 l/min
Flow rate of pneumatically linked valve	1,100 l/min
Switching time reversal	18 ms
Duty cycle	100 %
Nominal operating voltage, AC	110 V
Characteristic coil data	110/120 V AC: 50/60 Hz, power 1.6 VA
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)
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
Relative air humidity	0 - 90 %



Feature	Value
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 50 °C
Product weight	276 g
Electrical connection	Plug-in
	according to ISO 15407-2
Mounting type	On sub-base
Auxiliary pilot air port 12/14	Manifold block, size 26 mm acc. to ISO 15407-2
Pilot exhaust port 82/84	Optional
	Not ducted as per standard
	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
	HNBR
	NBR
Material housing	Aluminium die cast
	PA
Material screws	Galvanised steel