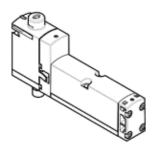
solenoid valve **VSVA-B-M52-MZD-A2-1T1L** Part number: 539185

FESTO

For valve terminals VTSA and VTSA-F.



Data sheet

Feature	Value
Valve function	5/2 monostable
Type of actuation	electrical
Width	18 mm
Standard nominal flow rate	550 l/min
Operating pressure	-0.9 10 bar
Design structure	Piston slide
Type of reset	mechanical spring
Authorisation	CSA (OL)
	c UL us - Recognized (OL)
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
	Internal
Flow direction	Any
Overlap	Positive overlap
Signal status display	LED
Pilot pressure	3 10 bar
Flow rate of valve	750 l/min
Flow rate of valve on individual sub-base	600 l/min
Optimised flow rate of valve pneumatically concatenated flow	700 l/min
Flow rate of pneumatically linked valve	550 l/min
Switching time off	38 ms
Switching time on	12 ms
Duty cycle	100 %
Max. positive test pulse with logic 0	1,500 μs
Max. negative test pulse with logic 1	800 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)



Feature	Value
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 %
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 50 °C
Product weight	163 g
Electrical connection	Plug-in
	according to ISO 15407-2
Mounting type	On sub-base
Auxiliary pilot air port 12/14	Manifold block, size 18 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 18 mm acc. to ISO 15407-2
Pneumatic connection, port 2	Manifold block, size 18 mm acc. to ISO 15407-2
Pneumatic connection, port 3	Manifold block, size 18 mm acc. to ISO 15407-2
Pneumatic connection, port 4	Manifold block, size 18 mm acc. to ISO 15407-2
Pneumatic connection, port 5	Manifold block, size 18 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