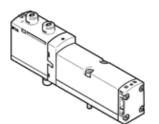
solenoid valve VSVA-B-P53E-ZD-A1-1T1L Part number: 539161

For valve terminals VTSA and VTSA-F.



FESTO

Data sheet

Feature	Value
Valve function	5/3 exhausted
Type of actuation	electrical
Width	26 mm
Standard nominal flow rate	1,000 l/min
Operating pressure	-0.9 10 bar
Design structure	Piston slide
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	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	1,000 l/min
Switching time off	65 ms
Switching time on	22 ms
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)
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6



Feature	Value
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	320 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