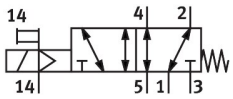
Solenoid valve
VSVA-B-M52-MZD-A2-1T1L

Part number: 539185





Data sheet

Feature	Value
Valve function	5/2-way, single solenoid
Type of actuation	Electrical
Construction width	18 mm
Standard nominal flow rate (standardised to DIN 1343)	550 l/min
pneumatic working port	Sub-base size 18 mm to ISO 15407-1 Sub-base size 02 to VDMA 24563 G1/8
Operating voltage	24 V DC
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Approval	c UL us - Recognised (Oil)
Degree of protection	IP65 NEMA 4
Exhaust-air function	Can be throttled Via throttle plate Via individual sub-base
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting Concealed
Type of piloting	Piloted
Pilot air supply	External Internal
Flow direction	Any
lap	Overlap
Signal status display	LED
Pilot pressure	0.3 MPa...1 MPa 3 bar...10 bar
Flow rate of valve	750 l/min
Flow rate of valve on individual sub-base	600 l/min
Valve flow rate, pneumatically linked, flow optimized	700 l/min

Feature	Value
Flow rate of pneumatically interlinked valve	550 l/min
Switching time off	38 ms
Switching time on	12 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1500 µs
Max. negative test pulse with 1 signal	800 µs
Max. current consumption	72 mA
Nominal operating voltage DC	24 V
Characteristic coil data	24 V DC: 1.6 W
Immunity to surge	2.5 kV
Pollution degree	3
Permissible voltage fluctuations	+/-10%
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)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Relative air humidity	0 - 90%
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...50 °C
Product weight	163 g
Electrical connection	Plug-in To ISO 15407-2
Type of mounting	On sub-base
Pilot air port 12/14	Sub-base size 18 mm to ISO 15407-2
Pilot exhaust port 82/84	Ducted Not ducted as per standard Either:
Pneumatic connection, port 1	Sub-base size 18 mm to ISO 15407-2
Pneumatic connection, port 2	Sub-base size 18 mm to ISO 15407-2
Pneumatic connection, port 3	Sub-base size 18 mm to ISO 15407-2
Pneumatic connection, port 4	Sub-base size 18 mm to ISO 15407-2
Pneumatic connection, port 5	Sub-base size 18 mm to ISO 15407-2
Note on materials	RoHS compliant
Material seals	Fluoro rubber HNBR NBR
Material housing	Die-cast aluminium PA
Material screws	Galvanised steel