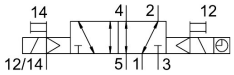
Solenoid valve
VSVA-B-TR1-B52-ZD-D1-1R5L

Part number: 8037117





Data sheet

Feature	Value
Valve function	5/2-way, double solenoid
Type of actuation	Electrical
Construction width	42 mm
Standard nominal flow rate (standardised to DIN 1343)	1300 l/min
pneumatic working port	Sub-base size 1 to ISO 5599-1 G1/4
Operating voltage	24 V DC
Operating pressure	-0.09 MPa...1.6 MPa -0.9 bar...16 bar
Design	Piston gate valve
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Degree of protection	IP65 NEMA 4
Nominal size	11 mm
Grid dimension	43 mm
Exhaust-air function	Can be throttled Via throttle plate Via individual sub-base
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	Detenting Non-detenting
Type of piloting	Piloted
Pilot air supply	External
Flow direction	Any
lap	Overlap
Signal status display	LED
Pilot pressure	0.3 MPa...1 MPa 3 bar...10 bar

Feature	Value
Flow rate of valve	2000 l/min
Flow rate of valve on individual sub-base	1400 l/min
Flow rate of pneumatically interlinked valve	1300 l/min
Switching time reversal	16 ms
Shutdown time	4.5 h
Charging time	2 min
Duty cycle	100%
Max. positive test pulse with 0 signal	1400 µs
Max. negative test pulse with 1 signal	900 µs
Current consumption	Max. 130 mA to 4 s during charging Max. 65mA after 4s during Edition 6 mA after charging
Characteristic coil data	24 V DC: 1.6 W
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
Media temperature	-5 °C...50 °C
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	460 g
Electrical connection	3-pin M12x1 Central plug Round design
Type of mounting	On sub-base
Pilot air port 12/14	Sub-base size 1 to ISO 5599-1
Pilot exhaust port 82/84	Ducted Not ducted as per standard Either:
Pneumatic connection, port 1	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 2	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 3	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 4	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 5	Sub-base size 1 to ISO 5599-1
Note on materials	RoHS compliant
Material seals	Fluoro rubber HNBR NBR
Material housing	Die-cast aluminium PA
Material screws	Steel Galvanised