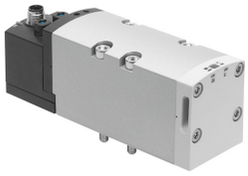
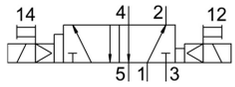
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Solenoid valve
VSVA-B-D52-D-D2-1R5L

Part number: 566996

FESTO





Data sheet

Feature	Value
Valve function	5/2-way, bistable, dominant
Type of actuation	Electric
Construction width	52 mm
Standard nominal flow rate	2800 l/min
pneumatic working port	Sub-base size 2 to ISO 5599-1 G3/8
Operating voltage	24V DC
Operating pressure	0.3 MPa ... 1 MPa
Operating pressure	3 bar ... 10 bar
Design	Piston gate valve
Approval	C-Tick c CSA us (OL) c UL us - Recognized (OL)
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive
CE marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Degree of protection	IP65 NEMA 4
Nominal size	15 mm
Grid dimension	59 mm
Exhaust-air function	With flow control option Via throttle plate Via individual sub-base
Sealing principle	Soft
Mounting position	optional
Conforms to standard	ISO 5599-1
Manual override	Detenting Non-detenting
Type of piloting	Pilot actuated
Pilot air supply	Internal
Flow direction	Non-reversible
Symbol	00991059
lap	Positive overlap
Signal status display	LED
Flow rate of valve	4000 l/min
Flow rate of valve on individual sub-base	2400 l/min
Flow rate of pneumatically interlinked valve	2800 l/min

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Feature	Value
Switching time reversal	18 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1000 µs
Max. negative test pulse with 1 signal	3500 µs
Nominal pick-up current per solenoid coil	165 mA up to 30 ms
Nominal current with current reduction	35 mA after 30 ms
Characteristic coil data	24 V DC: 4.6 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	732 g
Electrical connection	3-pin M12x1 Central plug Round design
Type of mounting	On sub-base
Pneumatic connection, port 1	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 2	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 3	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 4	Sub-base size 2 to ISO 5599-1
Pneumatic connection, port 5	Sub-base size 2 to ISO 5599-1
Note on materials	RoHS-compliant
Material seals	FPM HNBR NBR
Material housing	Die-cast aluminium PA
Material screws	Steel Galvanised