

solenoid valve

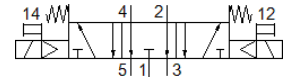
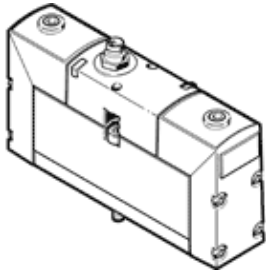
VSVA-B-P53E-H-A1-1R5L

Part number: 534560

★ Core product range

with central plug, round design M12x1.

FESTO



Data sheet

Feature	values
Valve function	5/3 exhausted
Type of actuation	electrical
Width	26 mm
Operating pressure	3 ... 8 bar
Design structure	Piston slide
Type of reset	mechanical spring
Protection class	IP65 NEMA 4
Authorisation	C-Tick c CSA us (OL) c UL us - Recognized (OL)
Nominal size	9 mm
Grid dimension	27 mm
Exhaust-air function	throttleable - via flow control plate - via individual sub-base
Sealing principle	soft
Assembly position	Any
Conforms to standard	ISO 15407-1
Manual override	Pushing
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	non reversible
Freedom from overlap	Yes
Note on forced dynamisation	Switching frequency at least once a week
Signal status display	LED
Flow rate of valve	1,400 l/min
Flow rate of valve on individual sub-base	1,100 l/min
Flow rate of pneumatically linked valve	1,000 l/min
Switching time off	52 ms
Switching time on	20 ms
Duty cycle	100%
Max. positive test pulse with logic 0	500 µs
Max. negative test pulse with logic 1	500 µs
Nominal breakaway current per solenoid coil	110 mA up to 20 ms
Nominal current with current reduction	30 mA after 20 ms
Characteristic coil data	24 V DC: low-current phase 1 W, high-current phase 2.4 W
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)
CE mark (see declaration of conformity)	to EU directive for EMC
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6

Feature	values
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Medium temperature	-5 ... 50 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 50 °C
Max. tightening torque, valve mounting	1.8 ... 2.2 Nm
Product weight	270 g
Electrical connection	Central plug Round design M12x1 3-pin
Mounting type	On sub-base With through-hole and screw
Materials note	Conforms to RoHS
Materials information for seals	FPM HNBR NBR
Materials information, housing	Aluminium die cast