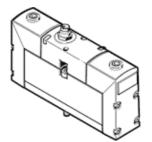
Solenoid valve VSVA-B-P53E-ZH-A1-1R5L Part number: 534550

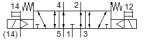
with central plug, round design M12x1.



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 MPa	-0.09 1.6 MPa	
Working pressure	-0.9 16 bar	
Design structure	Piston slide	
Type of reset	mechanical spring	
Authorization	RCM Mark	
	c UL us - Recognized (OL)	
CE symbol (see declaration of conformity)	according to EU-EMV guideline	
UKCA marking (see declaration of conformity)	To UK instructions for EMC	
	To UK RoHS instructions	
Protection class	IP65	
	NEMA 4	
Nominal size	9 mm	
Grid dimension	27 mm	
Exhaust-air function	throttleable	
	Via throttle 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	external	
Flow direction	Any	
Lap	Positive overlap	
Polarity protected	for all electrical connections	
Additional functions	Reduction of holding current	
	Safety shut-off	
Signal status display	LED	
Pilot pressure MPa	0.3 0.8 MPa	
Pilot pressure	3 8 bar	
b value	0.3	
C value	2.9 l/sbar	
Flow rate of valve	1,400 l/min	
Flow rate of valve on individual subbase	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	400 µs	
Max. negative test pulse with logic 1	100 µs	

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Feature	Value
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)
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
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
PWIS conformity	VDMA24364-B1/B2-L
Medium temperature	-5 50 °C
Relative air humidity	0 - 90 %
Protection against direct and indirect contact	Safety extra-low voltage with safe disconnection (PELV)
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	3-pin
	M12x1
	Central plug
	Round design
Mounting type	On subbase
	With through-hole and screw
Auxiliary pilot air port 12/14	Connection plate size 26 mm, according to ISO 15407-1
Pilot exhaust port 82/84	Optional
	Not ducted as per standard
	Ducted
Materials note	Conforms to RoHS
Material seals	FPM
	HNBR
	NBR
Material housing	Aluminum die cast