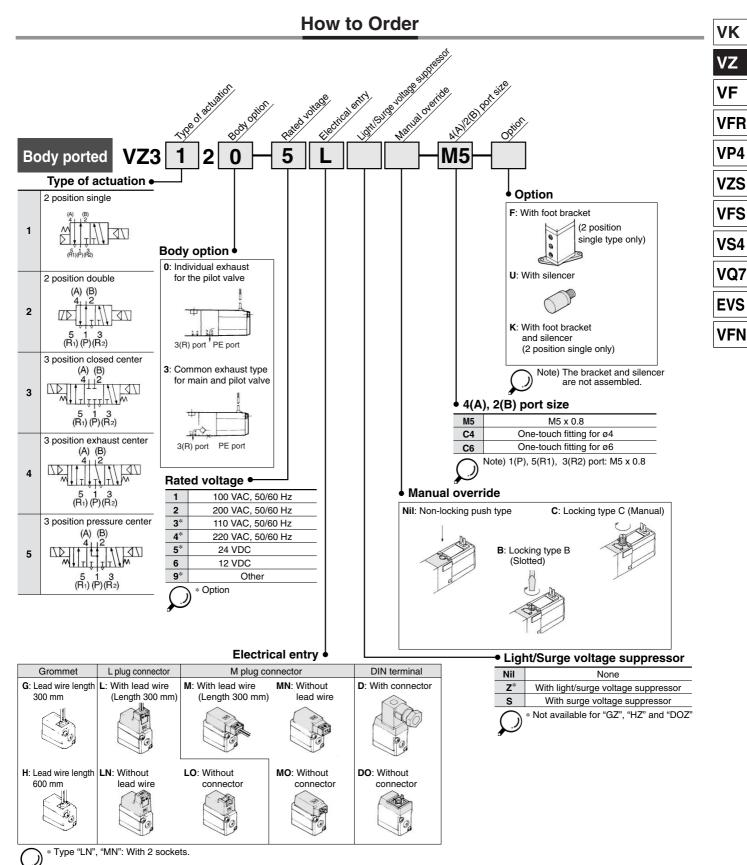
5 Port Solenoid Valve Body Ported

Series VZ3000



Series VZ3000

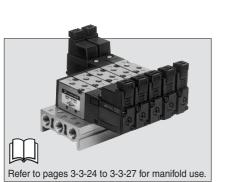
Applicable for cylinder actuation (up to ø40).

Compact size (Width: 15 mm)

Low power consumption:

1.8 W DC







Specifications

Fluid		Air
Operating pressure range (MPa)	2 position single	0.15 to 0.7
	2 position double	0.1 to 0.7
	3 position	0.15 to 0.7
Ambient and fluid temper	erature (°C)	-10 to 50°C (No freezing. Refer to page 3-13-4.)
Response time (ms) (1) (at the pressure of 0.5 MPa)	2 position single, double	20 or less
	3 position	35 or less
Max. operating frequency (Hz)	2 position single, double	10
	3 position	3
Effective area		Refer to the table below.
Manual override (2)		Non-locking push type, Locking slotted type, Locking lever type
Pilot exhaust method		Individual pilot exhaust type, Common exhaust (pilot and main valve) type
Lubrication		Not required
Mounting orientation		Unrestricted
Impact/Vibration resista	nce (m/s²)(3)	300/50
Enclosure		Dustproof



Note 1) Based on dynamic performance test, JIS B 8375-1981. (Coil temperature: 20°C, at rated voltage, without surge suppressor)

Note 2) When operating the locking type manually, apply torque of 0.2 N·m or less.

Note 3) Impact resistance: No malfunction occurred when it is tested with a drop tester in the axial direction and at the right angles to the main valve and armature in both energized and de-energized states every once for each condition. (Values at the initial period)

Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000

Hz. Test was performed at both energized and de-energized states in the axial direction and at the right angles to the main valve and armature. (Values at the initial period)

Solenoid Specifications

* Option

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Electrical entry			Grommet (G)/(H), L plug connector (L), M plug connector (M), DIN terminal (D)	
Coil rated voltage (V)	AC 50/60 Hz		100, 200, 24*, 48*, 110*, 220*	
	DC		24, 6*, 12*, 48*	
Allowable voltage fluctuation (%)			-15 to +10% of rated voltage	
Power consumption (W) Note)	DC		1.8 (With indicator light 2.1)	
[Current mA]			[24 VDC: 75 (With indicator light 87.5)]	
Apparent power (VA) [Current mA]	AC	Inrush	4.5/50 Hz, 4.2/60 Hz 200 VAC: 45/50 Hz, 42/60 Hz 200 VAC: 22.5/50 Hz, 21/60 Hz	
		Holding	3.5/50 Hz, 3/60 Hz 100 VAC: 35/50 Hz, 30/60 Hz 200 VAC: 17.5/50 Hz, 15/60 Hz	
Surge voltage suppressor			DC: Diode, AC: ZNR	
Indicator light			DC: LED (Red), AC: Neon bulb	



Note) At rated voltage

Option

Description	Part no.	Note
With foot bracket	DXT170-34-1B	For VZ3123
Silencer	AN120-M5	Noise reduction: 21dB or more (ø8 x 17 mm)