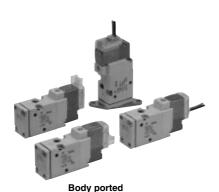
3 Port Pilot Operated Solenoid Valve **Rubber Seal**

Series SYJ500





Base mounted

JIS Symbol

Specifications

Fluid		Air
Operating pressure range MPa	Internal pilot	0.15 to 0.7
Ambient and fluid temperature (°C)		-10 to 50 (No freezing. Refer to page 4-18-4.)
Response time ms (at 0.5 MPa) Note 1)		25 or less
Max. operating frequency (Hz)		5
Manual override (Manual operation)		Non-locking push type, push-turn locking slotted type, push-turn locking lever type
Pilot exhaust method		Individual exhaust for the pilot valve, common exhaust for the pilot and main valve
Lubrication		Not required
Mounting orientation		Unrestricted
Shock/Vibration resistance (m/s²) Note 2)		150/30
Enclosure		Dustproof (* DIN terminal, M8 connector conforms to IP65.)



* Based on IEC529

Note 1) Based on dynamic performance test, JIS B 8374-1981. (Coil temperature: 20°C, at rated voltage, without surge voltage suppressor.)

Note 2) 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.

(Value in the initial state)

Vibration resistance: No malfunction occurred in one sweep test between 45 and 2000 Hz.

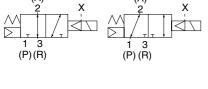
Test was performed to axis and right angle directions of the main valve

and armature when pilot signal is ON and OFF.

(Value in the initial state)

Solenoid Specifications

Internal pilot SYJ51 ²	SYJ52 ²
(A) 2 1 3 (P)(R)	(A) 2 1 3 (P) (R)
External pilot	
SYJ51 ² ₄ R	SYJ52 ² ₄ R
(A) X 2 X 1 3 (P)(R)	(A) 2 X 1 3 (P) (R)

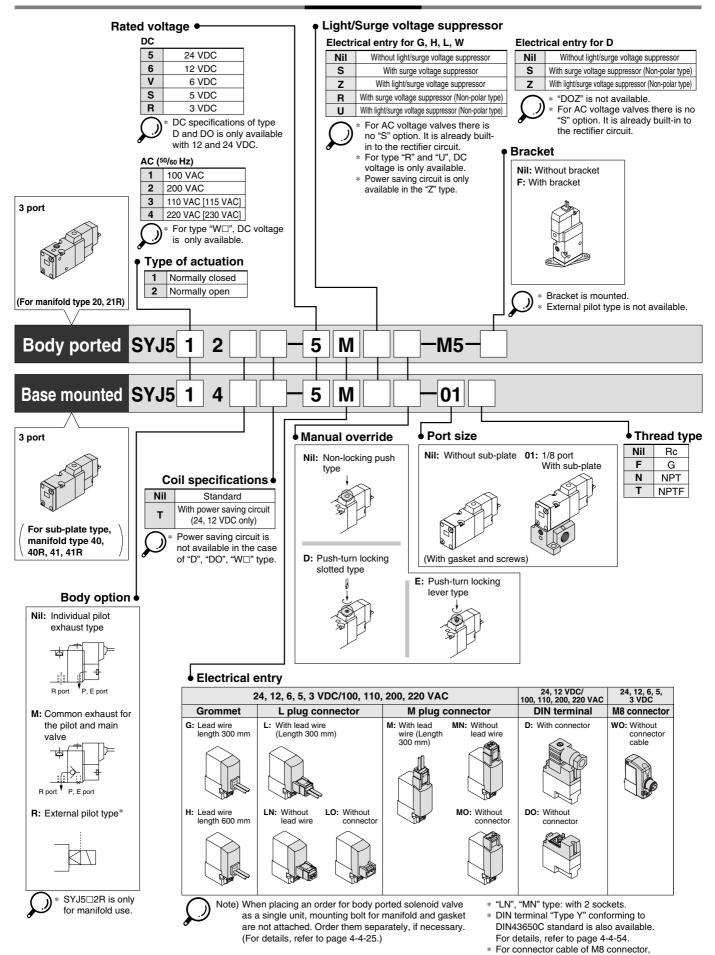


Made to	Made to Order Specifications
Order	(For details, refer to pages 4-4-54 to 55.)
Order	Made to Order Specifications (For details, refer to pages 4-4-54 to 55.)

Electrical entry			Grommet (G), (H), L plug connector (L), M plug connector (M), DIN terminal (D), M8 connector (W)
Coil rated	DC		24, 12, 6, 5, 3
voltage (V)	AC 50/60 Hz		100, 110, 200, 220
Allowable voltage fluctuation			±10% of rated voltage
Power consumption (W)	DC	Standard	0.35 (With indicator light: 0.4 (DIN terminal with indicator light: 0.45))
		With power saving circuit	0.1 (With indicator light only)
Apparent power (VA)	AC	100 V	1.4 (With indicator light: 1.5)
		110 V	1.6 (With indicator light: 1.7)
		[115 V]	[1.7 (With indicator light: 1.8)]
		200 V	2.3 (With indicator light: 2.4)
		220 V	2.5 (With indicator light: 2.6)
		[230 V]	[2.7 (With indicator light: 2.8)]
Surge voltage suppressor			Diode (DIN terminal, varistor when non-polar types)
Indicator light			LED (Neon bulb when AC with DIN terminal)

* In common between 110 VAC and 115 VAC, and between 220 VAC and 230 VAC. * For 115 VAC and 230 VAC, the allowable voltage is -15% to +5% of rated voltage.

How to Order



refer to page 4-4-60.