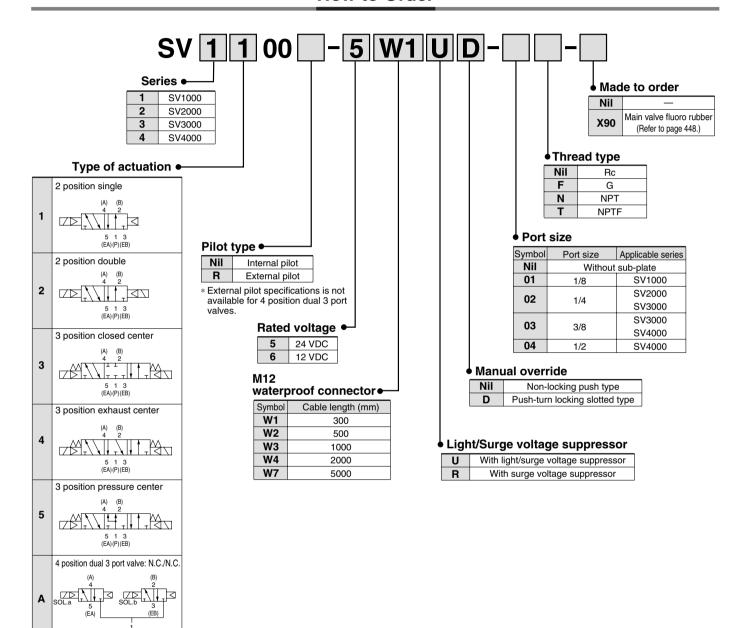
Single Valve/Sub-plate Type IP67 Compliant

Series SV1000/2000/3000/4000

How to Order



4 position dual 3 port valve: N.O./N.O.

4 position dual 3 port valve: N.C./N.O.

Series SV Solenoid Valve Specifications



Fluid			Air		
Internal pilot operating	2 position single 4 position dual 3 port valve		0.15 to 0.7		
pressure range	2 position double		0.1 to 0.7		
(MPa)	3 position		0.2 to 0.7		
External pilot	Operating pressure range		-100 kPa to 0.7		
operating pressure range (MPa)	2 position single, double 3 position		0.25 to 0.7		
Ambient and fluid temperature (°C)			-10 to 50 (No freezing. Refer to page 5.)		
Max. operating frequency	2 position single, double 4 position dual 3 port valve		5		
(Hz)	3 position		3		
Manual override			Non-locking push type		
			Push-turn locking slotted type		
Pilot exhaust method		Internal pilot	Common exhaust type for main and pilot valve		
Pilot extiaust	memou	External pilot	Pilot valve individual exhaust		
Lubrication			Not required		
Mounting orientation			Unrestricted		
Impact/Vibration resistance (ms²)			150/30 (8.3 to 2000 Hz)		
Enclosure			IP67 (Based on IEC60529)		
Electrical en	try		M12 waterproof connector		
Coil rated vo	ltage		24 VDC, 12 VDC		
Allowable vo	ltage flu	ıctuation	±10% of rated voltage		
Power consu	umption	(W)	0.6 (With indicator light: 0.65)		
Surge voltag	je suppr	essor	Zener diode		
Indicator light			LED		
Note) Im	nact resis	tance No malfunction	on occurred when it is tested with a drop tester in the ax		

Note) 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)

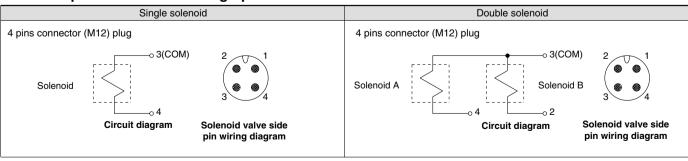
Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000 Hz. Test was performed at both energized and de-energized states in the axial direction and at the right angles to the main valve and armature. (Values at the initial period)

Response Time

Turns of actuation	Response time (ms) (at the pressure of 0.5 MPa)							
Type of actuation	SV1000	SV2000	SV3000	SV4000				
2 position single	11 or less	25 or less	28 or less	40 or less				
2 position double	10 or less	17 or less	26 or less	40 or less				
3 position	18 or less	29 or less	32 or less	82 or less				
4 position dual 3 port valve	15 or less	33 or less	_	_				

Note) Based on dynamic performance test, JIS B 8375-1981. (Coil temperature: 20°C, at rated voltage)

M12 Waterproof Connector Wiring Specifications



Note) Solenoid valves have no polarity.



SJ

SYJ

SZ

VP4

S0700

VQ

VQ4

VQ5

VQC

VQZ

SQ

VFS

VFR

VQ7