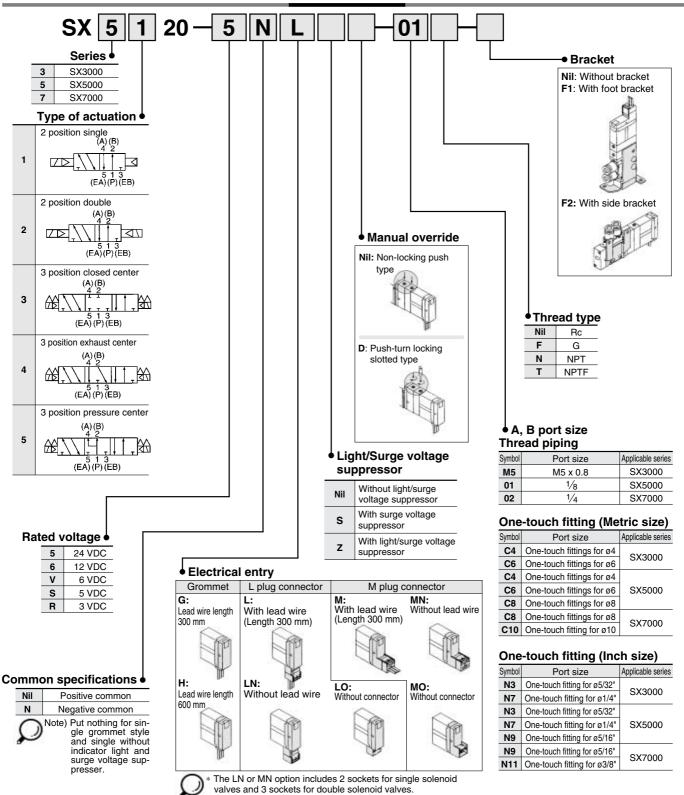


# **How to Order**



# Series SX3000/5000/7000



## **Specifications**

Series		SX3000	SX5000	SX7000
Fluid		Air		
Internal pilot	2 position single	0.15 to 0.7		
Operating pressure range (MPa)	2 position double	0.1 to 0.7		
	3 position	0.2 to 0.7		
Ambient and fluid temperature (°C)		Max. 50		
Max. operating frequency (Hz)	2 position single, double	10	5	5
	3 position	3	3	3
Manual override		Non-locking push type, Push-turn locking slotted type		
Pilot exhaust method		Common exhaust type for main and pilot valve		
Lubrication		Not required		
Mounting orientation		Unrestricted		
Impact/Vibration resistance (m/s²)Note)		150/30		
Enclosure		Dusttight		
143 0203				

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)

SYJ

SV

SZ



**Made to Order Specifications** (For details, refer to pages 1-6-124 to 1-6-138.)

# **Solenoid Specifications**

Electrical entry		Grommet (G)/(H), L plug connector (L), M plug connector (M)	
Coil rated voltage (V)	DC	24, 12, 6, 5, 3	
Allowable voltage fluctuation		±10% of rated voltage	
Power consumption (W)	DC	0.6 (With indicator light: 0.65)	
Surge voltage suppressor		Diode	
Indicator light		LED	

#### **Response Time**



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

# SX3000

Type of actuation	Response time (ms) (at the pressure of 0.5 MPa)		
		With light/surge voltage suppressor	
	voltage suppressor	S, Z type	
2 position single	12 or less	15 or less	
2 position double	10 or less	13 or less	
3 position	15 or less	20 or less	

## SX5000

	Response time (ms) (at the pressure of 0.5 MPa)		
Type of actuation		With light/surge voltage suppressor	
	voltage suppressor	S, Z type	
2 position single	19 or less	26 or less	
2 position double	18 or less	22 or less	
3 position	32 or less	38 or less	

## SX7000

	Response time (ms) (at the pressure of 0.5 MPa)		
Type of actuation		With light/surge voltage suppressor	
	voltage suppressor	S, Z type	
2 position single	31 or less	38 or less	
2 position double	27 or less	30 or less	
3 position	50 or less	56 or less	

