

Type **20**

# SY3000/5000/7000 Body Ported Type Manifold Bar Stock/Individual Wiring

## How to Order Manifolds

**SS5Y 5 — 20 — 05 — [ ] — Q**

Manifold series	
3	SY3000
5	SY5000
7	SY7000

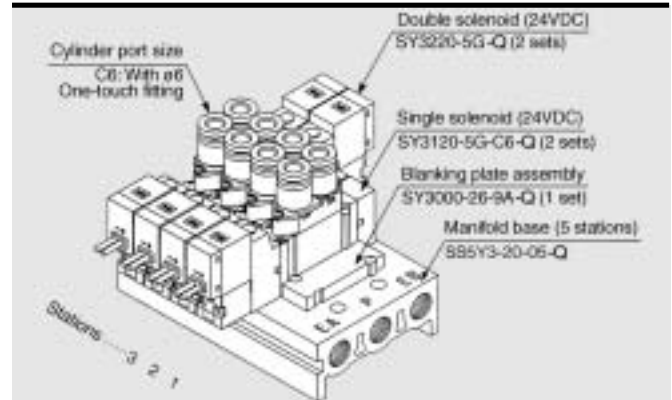
Thread	
	Rc (PT)
00N	NPT
00T	NPTF
00F	G (PF)

### Stations

02	2 stations
⋮	⋮
20	20 stations

\* Includes the number of blanking plate assemblies.

## How to Order Manifold Assemblies (Example)



SS5Y3-20-05-Q	1 set (Type 20, 5 station manifold base part no.)
SY3000-26-9A-Q	1 set (Blanking plate assembly part no.)
SY3120-5G-C6-Q	2 sets (Single solenoid part no.)
SY3220-5G-C6-Q	2 sets (Double solenoid part no.)

Add the valve and option part numbers in order starting from the first station as shown above.

## How to Order Valves

**SY 5 1 20 — 5 L [ ] [ ] — 01 [ ] — Q**

Series	
3	SY3000
5	SY5000
7	SY7000

### Type of actuation

1	2 position single
2	2 position double
3	3 position closed centre
4	3 position exhaust centre
5	3 position pressure centre

### Rated voltage

DC specifications	
5	24VDC
6	12VDC
V	6VDC
S	5VDC
R	3VDC
9	Less than 50 VDC

### AC specifications (50/60Hz)

1	100VAC
2	200VAC
3	110VAC [115VAC]
4	220VAC [230VAC]
9	Less than 250 VAC

Note 1) "D", "DO", "Y" and "YO" are only available in 24VDC and 12VDC in case of DC.

Note 2) "D", "DO", "Y" and "YO" are not available for SY3000.



Contact SMC for other voltages (9)



Protective class class I (Mark: ⚡)..... DIN terminal type



Protective class class III (Mark: ⚡)..... Grommet, L and M plug connector

### Indicator light/Surge voltage suppressor

#### Electrical entry G, H, L, M

Nil	Without indicator light/surge voltage suppressor
S	With surge voltage suppressor
Z	With indicator light/surge voltage suppressor
U	With indicator light/surge voltage suppressor (non-polar type)

Note 1) "U" are available for DC only.

#### Electrical entry D

Nil	Without indicator light/surge voltage suppressor
S	With surge voltage suppressor (non-polar type)
Z	With indicator light/surge voltage suppressor (non-polar type)

Note 1) "DOZ", "YOZ" are not available.

Note 2) For AC, there is no "S" specification, since it is integrated with the rectifier.

### Thread

	Rc (PT)
N	NPT
T	NPTF
F	G (PF)

### Port size

Symbol	Port size	Applicable series
M5	M5	
C4	ø4 One-touch fitting	SY3000
C6	ø6 One-touch fitting	
01	1/8	
C4	ø4 One-touch fitting	SY5000
C6	ø6 One-touch fitting	
C8	ø8 One-touch fitting	
02	1/4	
C8	ø8 One-touch fitting	SY7000
C10	ø10 One-touch fitting	

### Manual override

Nil	Non-locking push type
D	Push-turn locking slotted type
E	Push-turn locking lever type

### Electrical entry

24V, 12V, 6V, 5V, 3VDC			24V, 12VDC 100V, 110V, 200V, 220VAC
Grommet	L type plug connector	M type plug connector	DIN terminal
G: Lead wire length 300mm H: Lead wire length 600mm	L: With lead wire (length 300mm) LN: Without lead wire LO: Without connector	M: With lead wire (length 300mm) MN: Without lead wire MO: Without connector	(Except SY3000) D: With connector DO: Without connector Y: With connector (DIN 43650C) YO: Without connector (DIN 43650C)

Note 1) "LN" and "MN" include 2 sockets.

Note 2) "D", "DO", "Y", "YO" are not available for SY3000.



Note) When single body ported solenoid valves are ordered, manifold mounting bolts and gaskets are not included. Order them separately if necessary. (Refer to page 1.2-65 for details.)