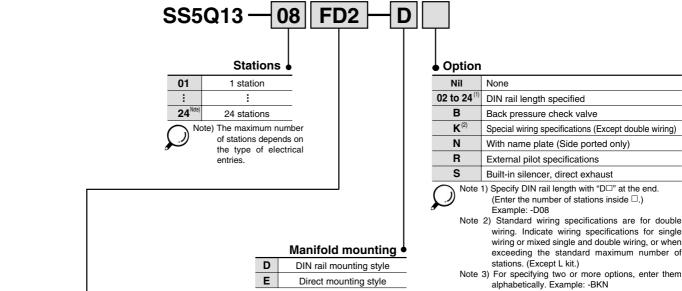


# Series SQ1000 **Plug-in Unit**

#### **How to Order Manifold**



Electrical entry (2) Max. number Lead wire of stations for Max. number Kit type Cable specifications Station connector special wiring specifications of solenoids location D-sub connector (25P) kit, without cable FD0 E kit FD<sub>1</sub> D-sub connector (25P) kit, with 1.5 m cable D side 1 to 12 stations 24 stations 24 D-sub D side FD<sub>2</sub> D-sub connector (25P) kit, with 3.0 m cable FD3 D-sub connector (25P) kit, with 5.0 m cable PD0 Flat ribbon cable (26P) kit, without cable P kit PD1 Flat ribbon cable (26P) kit, with 1.5 m cable 1 to 12 stations 24 stations 24 D side (1 PD2 Flat ribbon cable (26P) kit, with 3.0 m cable PD3 Flat ribbon cable (26P) kit, with 5.0 m cable Flat ribbon cable connector kit (26F 20F **PDC** Flat ribbon cable (20P) kit, without cable 18 1 to 9 stations 18 stations J kit Flat ribbon cable (20P) JD0 D side 1 to 8 stations 16 stations 16 PC Wiring System compatible Flat ribbon cable (20P) (PC Wiring System com LD0 D side L kit Lead wire kit with 0.6 m cable LU0 U side LD1 D side Lead wire kit, with 1.5 m cable 1 to 12 stations LU1 U side LD2 D side Lead wire kit, with 3.0 m cable Lead wire kit LU2 U side **SDF** NKE Corp.: Uni-wire System S kit SDH NKE Corp.: Uni-wire H System 16 1 to 8 stations 16 stations SDJ1 SUNX Corp.: S-LINK System (16 output points) SDJ2 8 SUNX Corp.: S-LINK System (8 output points) 8 stations 1 to 4 stations D side DeviceNet, CompoBus/D (OMRON Corp.) SDQ 16 1 to 8 stations 16 stations SDR<sub>1</sub> OMRON Corp.: CompoBus/S System (16 output points) SDR<sub>2</sub> OMRON Corp.: CompoBus/S System (8 output points) 1 to 4 stations 8 stations 8 SDV Mitsubishi Electric Corp.: CC-LINK System Serial transmission kit 1 to 8 stations 16 stations

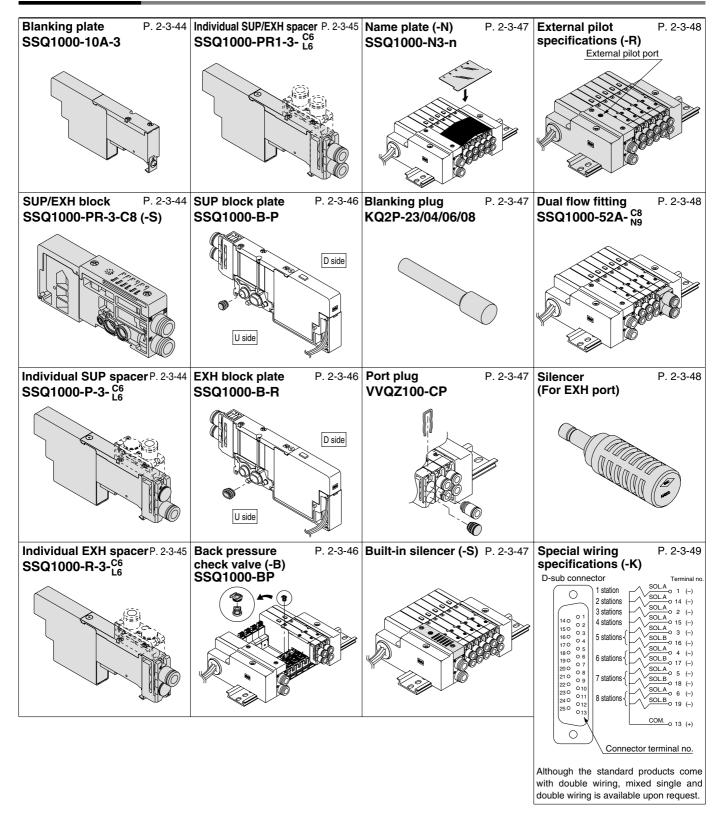
Note 1) Separately order the 20P type cable assembly for the P kit.

Note 2) The maximum number of stations should not be more than the maximum number of solenoids. (The number of solenoids are counted as: 1 for single solenoids and 2 for type 3P and 4P double solenoids.)



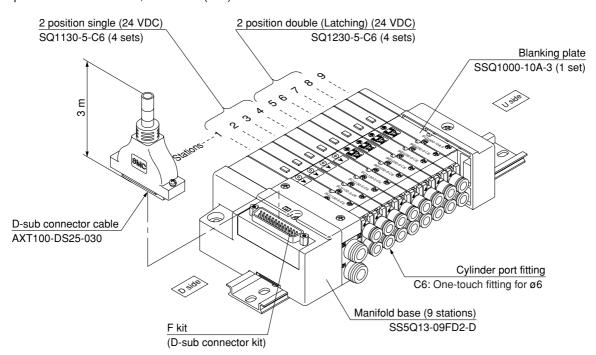
## Series SQ1000

#### **Manifold Option**



### **How to Order Manifold Assembly (Example)**

Example: D-sub connector kit, with cable (3 m)



SS5Q13-09FD2-D ...... 1 set (F kit 9 station manifold base)

\*SQ1130-5-C6 ..... 4 sets (2 position single)

\*SQ1230-5-C6 ····· 4 sets (2 position double [latching])

\*SSQ1000-10A-3 ·········· 1 set (Blanking plate)

➤ The asterisk denotes the symbol for assembly. Prefix it to the part nos. of the solenoid valve, etc.

Add the valve and option part numbers in order starting from the first station on the D side. When entry of part numbers becomes complicated, indicate on the manifold specification sheet.

VQC

SQ

VQ0

VQ4 VQ5

V07

VQZ

VQD

# Plug-in Unit Series SQ1000

### **Manifold Specifications**

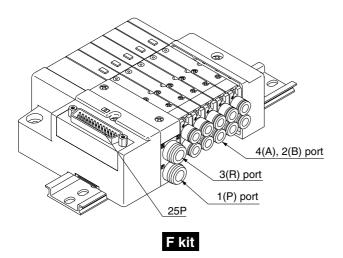
Base model  SS5Q13-		specific		Applicable solenoid valve	Time of commention	(3) Applicable	5 station	1 station	
	1(P), 3(R)	Port	A(A), 2(B) Port size		Type of connection	station  1 to 12 stations	weight (g)	weight (g)	
		location	Port size		F kit: D-sub connector			20	
	C8 (For Ø8) Option Built-in silencer, direct exhaust	Side	C3 (For ø3.2) C4 (For ø4) C6 (For ø6) M5 (M5 thread) L3 (For ø3.2) L4 (For ø4) L6 (For ø6) L5 (M5 thread)	SQ1 <u></u> 30	1 Kit. D Sub conficción	26P	1 to 12 stations	420	
					P kit: Flat ribbon cable	20P	1 to 9 stations		20
					J kit: Flat ribbon cable		1 to 8 stations	420	20
				SQ1 <u></u> 31	PC Wiring System com	patible	. 10 0 014410110		
					L kit: Lead wire		1 to 12 stations	460	35
					S kit: Serial transmission	1 to 8 stations	475	20	

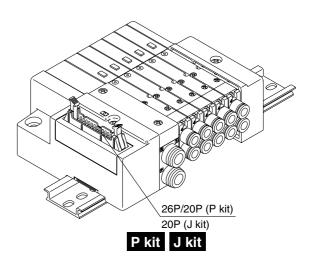
Note 1) One-touch fittings in inch sizes are also available. For details, refer to page 2-3-56.

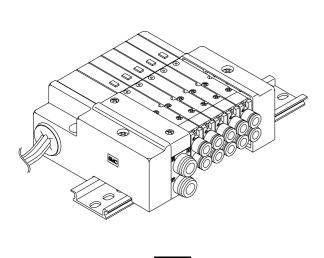
Note 2) Can be changed to side ported configuration.

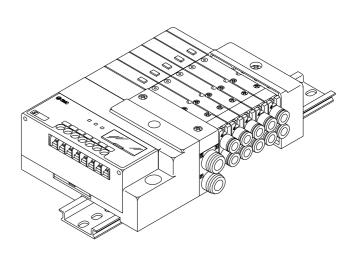
Note 3) An optional specification for special wiring is available to increase the maximum number of stations. Refer to page 2-3-54 for details.

Note 4) Except valves. For valve weight, refer to page 2-3-10.









L kit

S kit

VQC

SQ

VQ0

VQ4 VQ5

VQZ

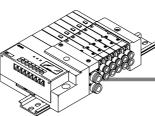
**VQD** 

## Series SQ1000

# S

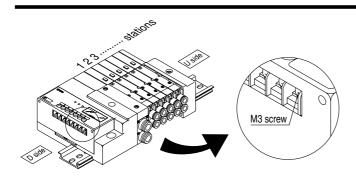
## Kit (Serial transmission unit)

- The serial transmission system reduces wiring work, while minimizing wiring and saving space.
- The maximum number of stations is 8. (16 as an option).
   Only for type J2 and R2, the maximum stations are 4 (8 as an option).



**Manifold Specifications** 

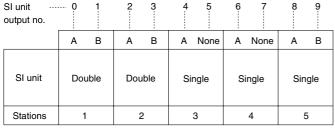
	Р	Maximum			
Series	Port	Port	number of		
	location	1(P), 3(R)	4(A), 2(B)	stations	
SQ1000	Side, Top	C8	C3, C4, C6, M5	8 stations	



- Stations are counted from station 1 on the D side.
- Double wiring (connected to SOL. A and SOL. B) is adopted for the internal wiring of each station, regardless of valve and option types.

Item	Specifications			
External power supply	24 VDC, +10%, -5%			
Current consumption (Inside unit)	0.1 A or less			

## Corresponding SI unit output numbers and solenoid coils Wiring example 1>



Double wiring (Standard)

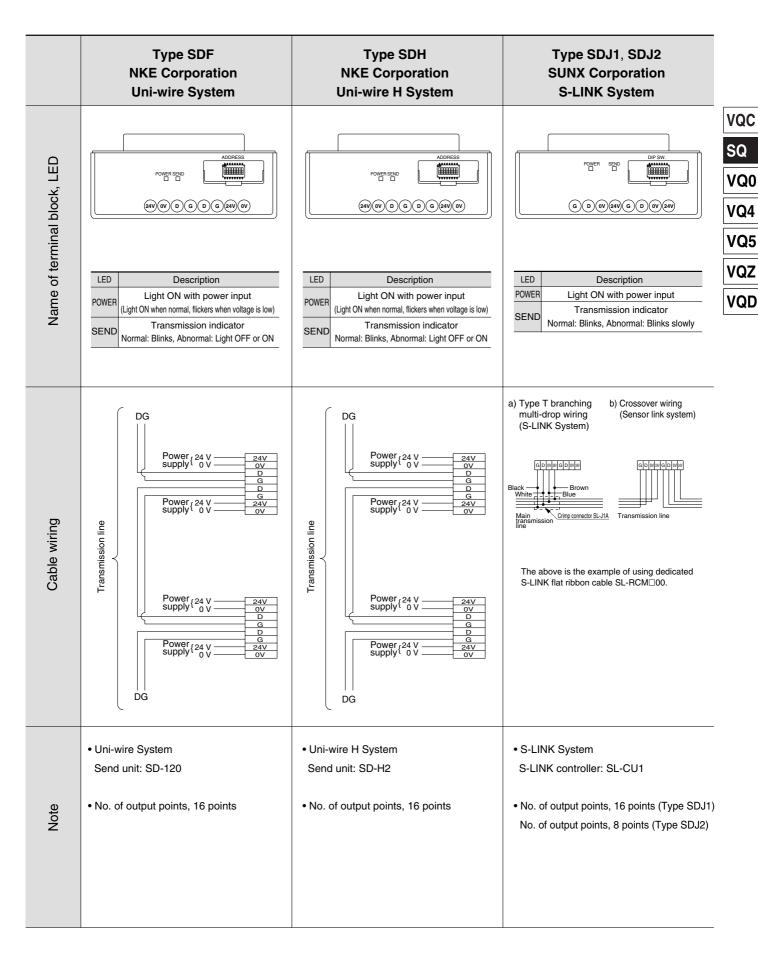
#### <Wiring example 2>

\* Mixed wiring is available as an option. Specify the wiring specification by means of the manifold specification sheet. Refer to page 2-3-54 for details.

SI unit output no.	0 1	2 3	4	5	6 7
	А В	А В	Α	Α	А В
SI unit	Double	Double	Single	Single	Double
Stations	1	2	3	4	5

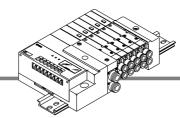
Mixed single and double wiring (Option)

# Plug-in Unit Series SQ1000



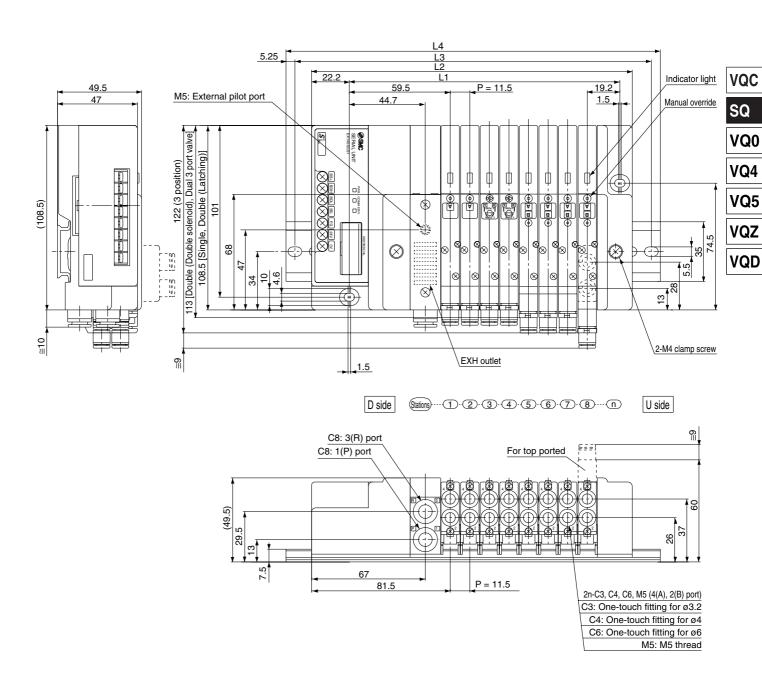


# S Kit (Serial transmission unit)



	Type SDQ OMRON Corporation DeviceNet, CompoBus/D	Type SDR1, SDR2 OMRON Corporation CompoBus/S System	Type SDV  Mitsubishi Electric Corporation  CC-LINK System				
Name of terminal block, LED	PWR MODNET SETTINGS  24 V OV V- CAM FG CAM VI	PWR COM ERR  BS) (EDH) (EDL) (BS) (FG) (24) (1) (1)	PHIR L PRIM BRATE STATION NO.				
Name of termi	LED Description  POWER Green light ON with circuit power input  Light OFF: When the unit is not online or circuit power is OFF  Green light ON continuously: When the unit is online and in operation  NET  Red light blinks: When a reversible abnormal transmission occurs  Red light ON continuously: When irreversible abnormal transmission occurs or the same line is unable to go online	LED Description  POWER Light ON with transmission power input, light Off without it  COMM Light ON with normal transmission, light OFF with abnormal or standby transmission  Light ON with abnormal transmission, light Off with normal or standby transmission	LED Description  Light ON with transmission power input, light Off without it  L RUN Light ON when receiving normal data  SD Light ON when sending data  RD Light ON when receiving data  Light ON with transmission error/setting error, light blinks with changes in the station no. or transmission speed setting				
Cable wiring	V- CANL FG CANH V+  V- CANL FG CANH V+  V- CANL FG CANH V- CANL FG CAN	Master  BDH  BDL  Branch crimped connectors	Terminal resistor  DA DB				
Note	<ul> <li>DeviceNet</li> <li>OMRON Corporation CompoBus/D System Master unit: C200HW-DRM21</li> <li>No. of output points, 16 points</li> </ul>	CompoBus/S System     Master unit: C200HW-SRM21     Master unit: CQM1-SRM21      No. of output points, 16 points (Type SDR1)     No. of output points, 8 points (Type SDR2)					

## Plug-in Unit Series SQ1000



I	Dimens	sion	S		Fo	rmula:	L1 = 1	1.5n +	67, L2	2 = 11.5	5n + 96	6.5 n	: Statio	ons (Ma	aximur	n 16 st	ations)
Ī	ر /ء	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	L1	78.5	90	101.5	113	124.5	136	147.5	159	170.5	182	193.5	205	216.5	228	239.5	251
Ī	L2	108	119.5	131	142.5	154	165.5	177	188.5	200	211.5	223	234.5	246	257.5	269	280.5
	L3	137.5	150	162.5	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	300
Ī	L4	148	160.5	173	173	185.5	198	210.5	223	235.5	248	260.5	273	285.5	298	310.5	310.5
								0.0								- 0.0	2.3.0

