

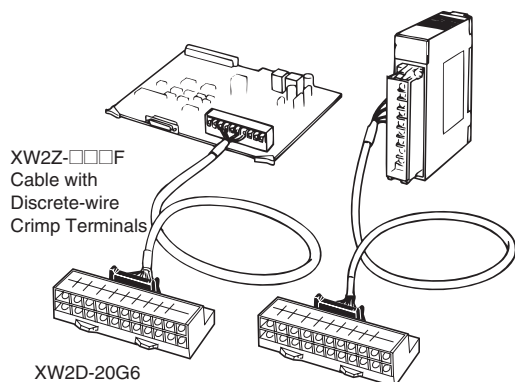
Connector-Terminal Block Conversion Unit Connection Examples

Note: Refer to page 35 for Position Control Unit and Servo Driver connections.

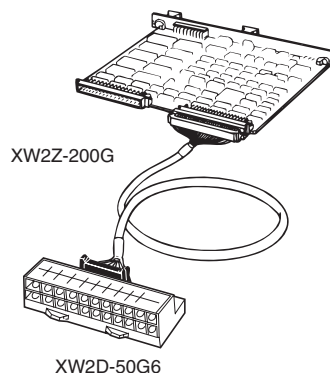
■ Controller Connections

XW2D Series (See page 3.)

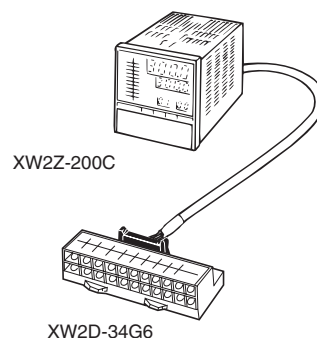
Programmable Controller I/O Units with Terminal Blocks, Board Computers, Etc.



E5ZD Multiple-point Temperature Controller Series



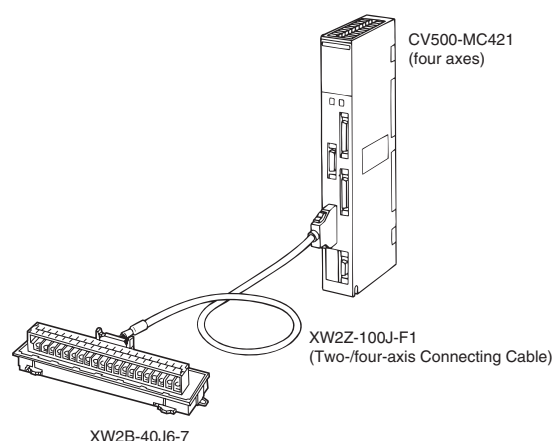
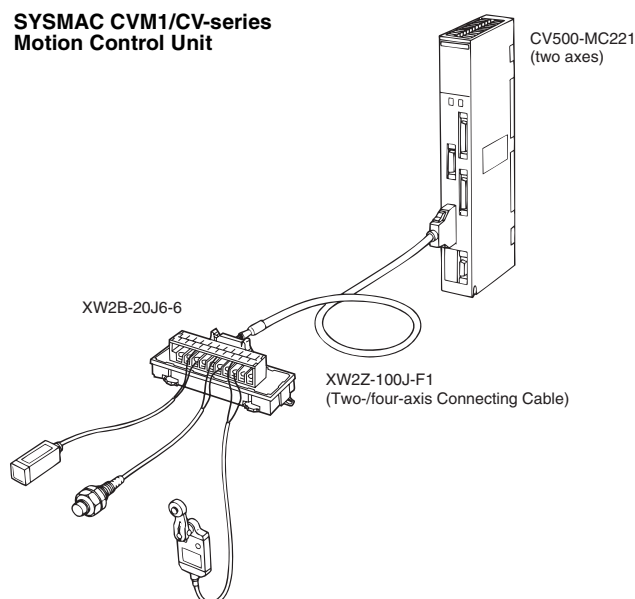
ES100 Temperature Controllers (for Expansion I/O)



■ SYSMAC CVM1/CV-series Motion Control Unit Connections

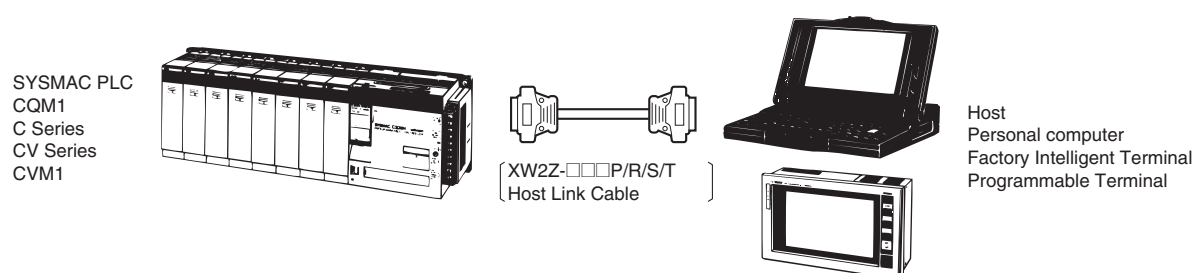
XW2B Motion Control Unit Terminal Block (See page 52.)

SYSMAC CVM1/CV-series Motion Control Unit



■ Programmable Controller and Host Link Connection

XW2Z Host Link Cable (See page 58.)

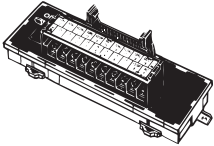
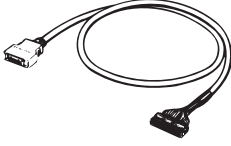
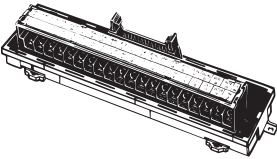


**Significantly reduces wiring manhours
for Motion Control Units from the
SYSMAC CVM1/CV Series.**

- A special cable connects all the Motion Control I/O Connector and terminal block contacts at once.
- Terminal labeling shows wiring status at a glance.
- Space-saving terminal blocks with M3 screws.
- Mount to DIN Track or via screws.



■ Combinations

Applicable Motion Control Units	Special Terminal Block	Special Connecting Cable
CV500-MC221 (Two Axes)	 XW2B-20J6-6	 XW2Z-100J-F1 (For two/four axes)
CV500-MC421 (Four Axes)	 XW2B-40J6-7	

■ Ratings and Characteristics

Item	XW2B-□□J6-□
Rated current	1 A
Rated voltage	24 VDC
Insulation resistance	5 MΩ min. (at 500 VDC)
Dielectric strength	500 VAC for 1 min (leakage current: 1 mA max.)
Operating temperature	0 to 55°C

XW2Z Terminal Block Connecting Cables for Two-/four-axis Motion Control Units

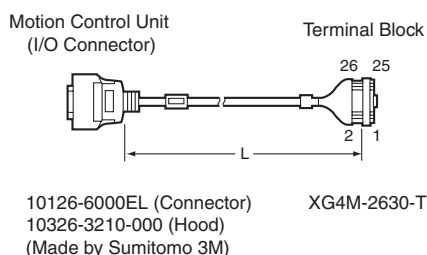
Motion Control Unit and Terminal Block Connections

For the CV500-MC221/MC421

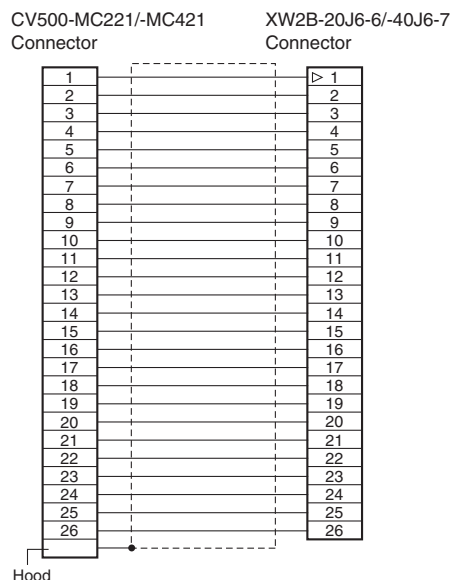
XW2Z-100J-F1



Applicable Connector



Wiring Diagram



■ Ratings and Characteristics

Rated current	0.5 A
Rated voltage	24 VDC
Contact resistance	20 mΩ max. (at 20 mV, 100 mA max.) 35 mΩ max. (at 20 mA, 1.5 mA max.)
Insulation resistance	5 MΩ min. (at 500 VDC)
Dielectric strength	500 VAC for 1 min (leakage current: 1 mA max.)
Operating temperature	0 to 55°C

Note: 1. Contact resistance of the terminal block Connector.
2. Contact resistance of the Motion Control Unit Connector.
3. Dielectric strength of the terminal block and Motion Control Unit Connectors.

■ Materials and Finish

Item	Part name	Materials and finish
XG4A-2630-T Connector	Housing	Fiber-glass reinforced PBT resin (UL94V-0)/black
	Strain Relief	Fiber-glass reinforced PBT resin (UL94V-0)/black
	Contacts	Copper alloy/nickel base, 0.15-μm gold plating (mating end)
10126-6000EL Connector, 26-pin, press-fit Plug (made by Sumitomo 3M)	Housing	Fiber-glass reinforced polyester resin (UL94V-0)/black
	Contacts	Copper alloy/nickel base, 0.3-μm gold plating (mating end)
10326-3210-000 Hood (Made by Sumitomo 3M)	Straight plastic shell	ABS resin (UL94V-0)/beige
Cable	UL20276, BC14P-SB, AWG28 (7/0.127) or the equivalent	

■ Ordering Information

Cable length L (mm)	Model	Applicable Units	Applicable terminal block
1,000	XW2Z-100J-F1	CV500-MC221 (Two Axes) CV500-MC421 (Four Axes)	XW2B-20J6-6 XW2B-40J6-7