Selecting the FX5S model

◇ Product configuration

FX5S

- Control scale: 30 to 60 points (CPU module: 30/40/60 points)
- Excellent core performance and simple model selection help combine ease of use and simplicity into a single unit.

∗ For details about the connection positions, refer to the manual.

Type	Details	Connection details, model selection
1 CPU module	PLC with built-in CPU, power supply, input/output and program memory.	Various extension devices can be connected.
2 FX5 expansion board	Board connected to front of CPU module to expand functions.	Up to 1 SD memory card module and 1 communication board (up to 2 modules in total) can be connected to the front of the CPU module. (Expansion adapter can also be used.)
3 FX5 expansion adapter	Adapter connected to left side of CPU module to expand functions.	Up to 2 communication adapters and up to 4 analog adapters* (up to 6 adapters in total) can be connected to the left side of CPU module. When 2 is used, the number of units is restricted.

∗: For FX5-4A-ADP with a serial number 223**** or older, up to two modules can be connected in the entire system.

1 CPU module (AC power supply/DC input type)

Model	Function	Input/output points occupied	Power supply capacity 24 V DC service power supply	I/O type	No. of input points	No. of output points
FX5S-30MR/ES	CPU module (With built-in 24 V DC service power supply)	30 points	400 mA*	DC input (sink/source)/relay output	16 points	14 points
FX5S-30MT/ES				DC input (sink/source)/transistor (sink)		
FX5S-30MT/ESS				DC input (sink/source)/transistor (source)		
FX5S-40MR/ES		40 points		DC input (sink/source)/relay output	24 points	16 points
FX5S-40MT/ES				DC input (sink/source)/transistor (sink)		
FX5S-40MT/ESS				DC input (sink/source)/transistor (source)		
FX5S-60MR/ES		60 points		DC input (sink/source)/relay output	36 points	24 points
FX5S-60MT/ES				DC input (sink/source)/transistor (sink)		
FX5S-60MT/ESS				DC input (sink/source)/transistor (source)		

∗: Use as power supply for input devices. (Cannot be used as an external power supply for expansion adapters.)

2 FX5 expansion board

Model	Function	Number of occupied input/output points	Current consumption	
			5 V DC power supply*1	24 V DC power supply
FX5-232-BD	RS-232C communication	—	— (20 mA)	—
FX5-485-BD	RS-485 communication			
FX5-422-BD-GOT	RS-422 communication (for GOT connection)		— (20 mA*2)	
FX5-SDCD	SD memory card module		—	

∗1: Current consumption calculation is not required for the FX5S CPU module. Values in parentheses are values stated in the specifications of each product.
∗2: The current consumption will increase when the 5 V type GOT is connected.