

Part Number List

FP-X Control Unit

Product name	Specifications	Part number
FP-X C14R Control unit	AC free power (110 to 240 V AC), 8-point input of 24 V DC, 6-point output of 2 A relay Program capacity 16 ksteps, 2-point potentiometer	AFPX-C14R
FP-X C30R Control unit	AC free power (110 to 240 V AC), 16-point input of 24 V DC, 14-point output of 2 A relay Program capacity 32 ksteps, 2-point potentiometer, USB port	AFPX-C30R
FP-X C60R Control unit	AC free power (110 to 240 V AC), 32-point input of 24 V DC, 28-point output of 2 A relay Program capacity 32 ksteps, 4-point potentiometer, USB port	AFPX-C60R

FP-X Expansion Cassette

Product name	Specifications	Part number
FP-X COM1 Communication cassette	RS232C 1 ch. RS, CS control signal equipped (non-insulated)	AFPX-COM1
FP-X COM2 Communication cassette	RS232C 2 ch. (non-insulated)	AFPX-COM2
FP-X COM3 Communication cassette	RS485/422 selectable 1ch (insulated)	AFPX-COM3
FP-X COM4 Communication cassette	RS485 1 ch. (insulated) + RS232C 1 ch. (non-insulated)	AFPX-COM4
FP-X Input cassette	8 point input of 24 V DC	AFPX-IN8
FP-X Output cassette	8 point output of NPN 0.3 A	AFPX-TR8
FP-X Analog input cassette	2 point 12-bit non-insulated 0 to 10 V DC/0 to 20 mA	AFPX-AD2
FP-X Pulse I/O cassette	High-speed counter: single-phase 2 ch., each 100 kHz or two-phase 1 ch., 30 kHz. Pulse output: one axis 80 kHz/ch. (Use restriction is applied for a two-unit installation)	AFPX-PLS
FP-X Master memory with a real-time clock	Master memory: All 32 ksteps, all comments. Storage of FPWIN Pro source files. Real-time clock: Year, month, day, hour, minute, second, day of week (optional battery required)	AFPX-MRTC

FP-X Expansion Unit

Product name	Specifications	Part number
FP-X E16R Expansion I/O unit	8-point input of 24 V DC, 6-point relay output of 2 A Remarks; Two or more E16R can't be connected serially because it can't supply the power to other units.	AFPX-E16R
FP-X E30R Expansion I/O unit	16-point input of 24 V DC, 14-point relay output of 2 A Remarks; Possible to connect up to 8 units including E16R, EFP0.	AFPX-E30R
FP0 expansion unit connection adapter	Up to 3 FP0 expansion units can be connected via an adapter.	AFPX-EFP0

FP-X Options and Service Parts

Product name	Specifications	Part number
FP-X Backup battery	Battery for backing up the operation memory and real-time clock	AFPX-BATT
FP-X Expansion cable	Expansion unit connection cable, 8 cm	AFPX-EC08
FP-X Terminal block	Terminal block for C30R, C60R and E30R, 21 pins, cover with no marking, five units included	AFPX-TAN1

FP0 Expansion Units

Product name	Specifications						Product number	Part number
	Number of I/O points		Power supply voltage	Input	Output	Connection type		
FP0 E8 Expansion Unit	8	Input: 8	-	24 V DC Sink/Source (±common)	-	MIL connector	FP0-E8X	AFP03003
	8	Input: 4 Output: 4	24 V DC	24 V DC Sink/Source (±common)	Relay output: 2 A	Terminal block	FP0-E8RS	AFP03023
	8	Output: 8	24 V DC	-	Relay output: 2 A	Molex connector	FP0-E8RM	AFP03013
	8	Output: 8	-	-	Relay output: 2 A	Terminal block	FP0-E8YRS	AFP03020
FP0 E16 Expansion Unit	16	Input: 16	-	24 V DC Sink/Source (±common)	-	MIL connector	FP0-E16X	FP03303
	16	Input: 8 Output: 8	24 V DC	24 V DC Sink/Source (±common)	Relay output: 2 A	Terminal block	FP0-E16RS	AFP03323
	16	Input: 8 Output: 8	-	24 V DC Sink/Source (±common)	Relay output: 2 A	Molex connector	FP0-E16RM	AFP03313
	16	Output: 16	-	-	Transistor output: NPN 0.1 A	MIL connector	FP0-E16T	FP03343
FP0 E32 Expansion Unit	32	Input: 16 Output: 16	-	24 V DC Sink/Source (±common)	Transistor output: NPN 0.1 A	MIL connector	FP0-E32T	FP03543

- Notes: 1) The relay output type expansion units come with a power cable (part number AFP0581). (The transistor output type needs no power cable.)
 2) The terminal block type relay output units have 2 terminal blocks (9 pins) made by Phoenix. Use a 2.5 mm wide screwdriver. Preferably use the specific terminal block screwdriver (part number AFP0806, Phoenix type code SZS 0.4 × 2.5 mm) or equivalent.
 3) The connector-type relay output units have 2 connectors made by Nihon Molex (Molex type code 51067-0900, 9 pins). Use the specific Molex connector press-fit tool (part number AFP0805, Nihon Molex type code 57189-5000) or equivalent.
 4) The transistor output units have a press-fit socket for wire-pressed terminal cable and contacts. Use the press-fit tool (part number AXY52000) for wire-pressed terminal cable.

FP0 Intelligent Units

Product name	Specifications	Product number	Part number
FP0 Thermocouple unit	K, J, T, R thermocouple, Resolution: 0.1 °C	FP0-TC4	AFP0420
	K, J, T, R thermocouple, Resolution: 0.1 °C	FP0-TC8	AFP0421
FP0 Analog I/O unit	<Input specifications> Number or channels: 2 channels Input range: 0 to 5 V, -10 to +10 V (Resolution: 1/4000) 0 to 20 mA (Resolution: 1/4000)	FP0 - A21	AFP0480
	<Output specifications> Number or channels: 1 channel Output range: -10 to +10 V (Resolution: 1/4000) 0 to 20 mA (Resolution: 1/4000)		
FP0 A/D Converter Unit	<Input specifications> Number or channels: 8 channels Input range: 0 to 5, -10 to +10 V (Resolution: 1/4000) 0 to 20 mA (Resolution: 1/4000)	FP0-A80	AFP0401
FP0 D/A Converter Unit	<Output specifications> Number or channels: 4 channels Output range: -10 to +10 V (Resolution: 1/4000) 4 to 20 mA (Resolution: 1/4000)	FP0-A04V	AFP04121
		FP0-A04I	AFP04123

FP0 Link Units

Product name	Specifications	Power supply voltage	Product number	Part number
FP0 CC-Link Slave unit	This unit is for making the FP0 function as a slave station of the CC-Link. Only one unit can be connected to the furthest right edge of the FP0 expansion bus. Note: Accuracy will change if an FP0 thermocouple unit is used at the same time. For details, please refer to the catalog or to the CC-Link Unit manual.	24 V DC	FP0-CCLS	AFP07943
FP0 I/O Link unit	This is a link unit designed to make the FP0 function as a station to MEWNET-F (remote I/O system).	24 V DC	FP0-IOL	AFP0732