

CPU Modules

FX5U

FX5U Main Units with 32 I/O

Model Number	FX5U-32MR/ES	FX5U-32MT/ES	FX5U-32MT/ESS	FX5U-32MR/DS	FX5U-32MT/DS	FX5U-32MT/DSS
Stocked Item	S	S	S	S	S	S
Certification	UL • cUL • CE					
Power Supply	100 to 240VAC			24 VDC		
Built-In Digital Inputs/Output Points	32	32	32	32	32	32
Built-In Digital Input Points	16	16	16	16	16	16
Built-In Digital Output Points	16	16	16	16	16	16
Digital Input Type	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)
Digital Output Type	Relay	Transistor (Sink)	Transistor (Source)	Relay	Transistor (Sink)	Transistor (Source)
Built-In Analog Inputs	2					
Built-In Analog Outputs	1					
Analog Input Type	0 to 10 VDC (input resistance 115.7 kΩ)					
Analog Output Type	0 to 10 VDC (external resistance 2kΩ to 1MΩ)					
Built-In Communication	RS-485/RS-422 & Ethernet (100/10 Mbps) Full/Half Duplex					
Connection Type	Terminal block					
5 VDC Power Supply	900 mA (775 mA)	900 mA (775 mA)	900 mA (775 mA)	900 mA (775 mA)	900 mA (775 mA)	900 mA (775 mA)
24 VDC Power Supply (*1)	400 mA (480 mA)	400 mA (480 mA)	400 mA (480 mA)	480 mA; (360 mA)	480 mA; (360 mA)	480 mA; (360 mA)
Weight (kg)	0.65	0.65	0.65	0.65	0.65	0.65
Dimensions (W x H x D) mm	150 x 90 x 83	150 x 90 x 83	150 x 90 x 83	150 x 90 x 83	150 x 90 x 83	150 x 90 x 83

Note 1: Power supply capacity when the power supply voltage is 16.8 to 19.2 VDC.

FX5U Main Units with 64 I/O

Model Number	FX5U-64MR/ES	FX5U-64MT/ES	FX5U-64MT/ESS	FX5U-64MR/DS	FX5U-64MT/DS	FX5U-64MT/DSS
Stocked Item	S	S	S	S	S	S
Certification	UL • cUL • CE					
Built-In Digital Inputs/Outputs	64	64	64	64	64	64
Built-In Digital Inputs	32	32	32	32	32	32
Built-In Digital Outputs	32	32	32	32	32	32
Digital Input Type	24 VDC (Sink/Source)					
Digital Output Type	Relay	Transistor (Sink)	Transistor (Source)	Relay	Transistor (Sink)	Transistor (Source)
Built-In Analog Inputs	2					
Built-In Analog Outputs	1					
Analog Input Type	0 to 10 VDC (input resistance 115.7 kΩ)					
Analog Output Type	0 to 10 VDC (external resistance 2kΩ to 1MΩ)					
Built-In Communication	RS-485/RS-422 & Ethernet (100/10 Mbps) Full/Half Duplex					
Connection Type	Terminal block					
5 VDC Power Supply	1100 mA			1100 mA (975 mA) (*2)		
24 VDC Service Power Supply	600 mA; (740 mA) (*1)			740 mA (530 mA) (*2)		
Weight (kg)	1.0					
Dimensions (W x H x D) mm	220 x 90 x 83	220 x 90 x 83	220 x 90 x 83	220 x 90 x 83	220 x 90 x 83	220 x 90 x 83

Notes:

1. Power supply capacity when external power supply is used for input circuit
2. The value in () is capacity of power supply when the supply voltage is 16.8 to 19.2 VDC.

FX5U Main Units with 80 I/O

Model Number	FX5U-80MR/ES	FX5U-80MT/ES	FX5U-80MT/ESS	FX5U-80MR/DS	FX5U-80MT/DS	FX5U-80MT/DSS
Stocked Item	S	S	S	S	-	S
Certification	UL • cUL • CE					
Built-In Digital Inputs/Outputs	80	80	80	80	80	80
Built-In Digital Inputs	40	40	40	40	40	40
Built-In Digital Outputs	40	40	40	40	40	40
Digital Input Type	24VDC (Sink/Source)					
Digital Output Type	Relay	Transistor (Sink)	Transistor (Source)	Relay	Transistor (Sink)	Transistor (Source)
Built-In Analog Inputs	2					
Built-In Analog Outputs	1					
Analog Input Type	0 to 10 VDC (input resistance 115.7 kΩ)					
Analog Output Type	0 to 10 VDC (external resistance 2kΩ to 1MΩ)					
Built-In Communication	RS-485/RS-422 & Ethernet (100/10 Mbps) Full/Half Duplex					
Connection Type	Terminal block					
5 VDC Power Supply	1100 mA			1100 mA (975 mA) (*2)		
24 VDC Service Power Supply	600 mA; (770 mA) (*1)			770 mA (560 mA) (*2)		
Weight (kg)	1.2	1.2	1.2	1.2	1.2	1.2
Dimensions (W x H x D) mm	285 x 90 x 83	285 x 90 x 83	285 x 90 x 83	285 x 90 x 83	285 x 90 x 83	285 x 90 x 83

Notes:

1. Power supply capacity when external power supply is used for input circuit
2. The value in () is capacity of power supply when the supply voltage is 16.8 to 19.2 VDC.

FX5UC

FX5UC Main Units with 32 I/O

Model Number	FX5UC-32MT/D	FX5UC-32MT/DSS	FX5UC-32MT/DS-TS	FX5UC-32MT/DSS-TS	FX5UC-32MR/DS-TS
Stocked Item	S	S	S	S	S
Certification	UL • cUL • CE				
Built-In Digital Inputs/Outputs	32	32	32	32	32
Built-In Digital Inputs	16	16	16	16	16
Built-In Digital Outputs	16	16	16	16	16
Digital Input Type	24 VDC (Sink)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)
Digital Output Type	Transistor (Sink)	Transistor (Source)	Transistor (Sink)	Transistor (Source)	Relay
Built-In Communication	RS-485/RS-422 & Ethernet (100/10 Mbps) Full/Half Duplex				
Connection Type	Connector		Spring clamp		
5 VDC Power Supply	720 mA	720 mA	720 mA	720 mA	720 mA
24 VDC Service Power Supply	500 mA	500 mA	500 mA	500 mA	500 mA
Weight (kg)	0.2	0.2	0.2	0.2	0.35
Dimensions (W x H x D) mm	42.1 x 90 x 89.1	42.1 x 90 x 89.1	48.1 x 90 x 93.7	48.1 x 90 x 93.7	68.2 x 90 x 93.7

FX5UC Main Units with 64 I/O

Model Number	FX5UC-64MT/D	FX5UC-64MT/DSS
Stocked Item	S	S
Certification	UL • cUL • CE	
Built-In Digital Inputs/Outputs	64	64
Built-In Digital Inputs	32	32
Built-In Digital Outputs	32	32
Digital Input Type	24 VDC (Sink)	24 VDC (Sink/Source)
Digital Output Type	Transistor (Sink)	Transistor (Source)
Built-In Communication	RS-485/RS-422 & Ethernet (100/10 Mbps) Full/Half Duplex	
Connection Type	Connector	
5 VDC Power Supply	720 mA	720 mA
24 VDC Service Power Supply	500 mA	500 mA
Weight (kg)	0.3	0.3
Dimensions (W x H x D) mm	62.2 x 90 x 89.1	62.2 x 90 x 89.1

FX5UC Main Units with 96 I/O

Model Number	FX5UC-96MT/D	FX5UC-96MT/DSS
Stocked Item	S	S
Certification	UL • cUL • CE	
Built-In Digital Inputs/Outputs	96	96
Built-In Digital Inputs	48	48
Built-In Digital Outputs	48	48
Digital Input Type	24 VDC (Sink)	24 VDC (Sink/Source)
Digital Output Type	Transistor (Sink)	Transistor (Source)
Built-In Communication	RS-485/RS-422 & Ethernet (100/10 Mbps) Full/Half Duplex	
Connection Type	Connector	
5 VDC Power Supply	720 mA	720 mA
24 VDC Service Power Supply	500 mA	500 mA
Weight (kg)	0.35	0.35
Dimensions (W x H x D) mm	82.3 x 90 x 89.1	82.3 x 90 x 89.1

FX5UJ

FX5UJ Main Units with 24 I/O

Model Number	FX5UJ-24MR/ES	FX5UJ-24MT/ES	FX5UJ-24MT/ESS	FX5UJ-24MR/DS	FX5UJ-24MT/DS	FX5UJ-24MT/DSS
Stocked Item	S	S	S	S	S	S
Certification	UL • cUL • CE					
Power Supply	100 to 240VAC			24 VDC		
Built-in Digital Inputs/Output Points	24	24	24	24	24	24
Built-In Digital Input Points	14	14	14	14	14	14
Built-In Digital Output Points	10	10	10	10	10	10
Digital Input Type	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)
Digital Output Type	Relay	Transistor (Sink)	Transistor (Source)	Relay	Transistor (Sink)	Transistor (Source)
Built-In Communication	USB & Ethernet (100/10 Mbps) Full/Half Duplex					
Connection Type	Terminal block	Terminal block	Terminal block	Terminal block	Terminal block	Terminal block
24 VDC Power Supply	400 mA (460 mA)	400 mA (460 mA)	400 mA (460 mA)	460mA	460mA	460mA
Weight (kg)	0.55	0.55	0.55	0.55	0.55	0.55
Dimensions (W x H x D) mm	95 x 90 x 83	95 x 90 x 83	95 x 90 x 83	95 x 90 x 83	95 x 90 x 83	95 x 90 x 83

FX5UJ Main Units with 40 I/O

Model Number	FX5UJ-40MR/ES	FX5UJ-40MT/ES	FX5UJ-40MT/ESS	FX5UJ-40MR/DS	FX5UJ-40MT/DS	FX5UJ-40MT/DSS
Stocked Item	S	S	S	S	S	S
Certification	UL • cUL • CE					
Power Supply	100 to 240VAC			24 VDC		
Built-in Digital Inputs/Output Points	40	40	40	40	40	40
Built-In Digital Input Points	24	24	24	24	24	24
Built-In Digital Output Points	16	16	16	16	16	16
Digital Input Type	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)
Digital Output Type	Relay	Transistor (Sink)	Transistor (Source)	Relay	Transistor (Sink)	Transistor (Source)
Built-In Communication	USB & Ethernet (100/10 Mbps) Full/Half Duplex					
Connection Type	Terminal block	Terminal block	Terminal block	Terminal block	Terminal block	Terminal block
24 VDC Power Supply	400 mA (500 mA)	400 mA (500 mA)	400 mA (500 mA)	500mA	500mA	500mA
Weight (kg)	0.65	0.65	0.65	0.65	0.65	0.65
Dimensions (W x H x D) mm	130 x 90 x 83	130 x 90 x 83	130 x 90 x 83	130 x 90 x 83	130 x 90 x 83	130 x 90 x 83

FX5UJ Main Units with 60 I/O

Model Number	FX5UJ-60MR/ES	FX5UJ-60MT/ES	FX5UJ-60MT/ESS	FX5UJ-60MR/DS	FX5UJ-60MT/DS	FX5UJ-60MT/DSS
Stocked Item	S	S	S	S	S	S
Certification	UL • cUL • CE					
Power Supply	100 to 240VAC			24 VDC		
Built-in Digital Inputs/Output Points	60	60	60	60	60	60
Built-In Digital Input Points	36	36	36	36	36	36
Built-In Digital Output Points	24	24	24	24	24	24
Digital Input Type	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)
Digital Output Type	Relay	Transistor (Sink)	Transistor (Source)	Relay	Transistor (Sink)	Transistor (Source)
Built-In Communication	USB & Ethernet (100/10 Mbps) Full/Half Duplex					
Connection Type	Terminal block	Terminal block	Terminal block	Terminal block	Terminal block	Terminal block
24 VDC Power Supply	400 mA (550 mA)	400 mA (550 mA)	400 mA (550 mA)	550mA	550mA	550mA
Weight (kg)	0.8	0.8	0.8	0.8	0.8	0.8
Dimensions (W x H x D) mm	175 x 90 x 83	175 x 90 x 83	175 x 90 x 83	175 x 90 x 83	175 x 90 x 83	175 x 90 x 83

FX5S

FX5S Main Units with 30 I/O

Model Number	FX5S-30MR/ES	FX5S-30MT/ES	FX5S-30MT/ESS
Stocked Item	S	S	S
Certification	UL • cUL • CE		
Power Supply	100 to 240VAC		
Built-in Digital Inputs/Output Points	30	30	30
Built-In Digital Input Points	16	16	16
Built-In Digital Output Points	14	14	14
Digital Input Type	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)
Digital Output Type	Relay	Transistor (Sink)	Transistor (Source)
Built-In Communication	USB & Ethernet (100/10 Mbps) Full/Half Duplex		
Connection Type	Terminal block	Terminal block	Terminal block
24 VDC Power Supply	400 mA	400 mA	400 mA
Weight (kg)	0.45	0.45	0.45
Dimensions (W x H x D) mm	100 x 90 x 79	100 x 90 x 79	100 x 90 x 79

FX5S Main Units with 40 I/O

Model Number	FX5S-40MR/ES	FX5S-40MT/ES	FX5S-40MT/ESS
Stocked Item	S	S	S
Certification	UL • cUL • CE		
Power Supply	100 to 240VAC		
Built-in Digital Inputs/Output Points	40	40	40
Built-In Digital Input Points	24	24	24
Built-In Digital Output Points	16	16	16
Digital Input Type	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)
Digital Output Type	Relay	Transistor (Sink)	Transistor (Source)
Built-In Communication	USB & Ethernet (100/10 Mbps) Full/Half Duplex		
Connection Type	Terminal block	Terminal block	Terminal block
24 VDC Power Supply	400 mA	400 mA	400 mA
Weight (kg)	0.55	0.55	0.55
Dimensions (W x H x D) mm	130 x 90 x 79	130 x 90 x 79	130 x 90 x 79

FX5S Main Units with 60 I/O

Model Number	FX5S-60MR/ES	FX5S-60MT/ES	FX5S-60MT/ESS
Stocked Item	S	S	S
Certification	UL • cUL • CE		
Power Supply	100 to 240VAC		
Built-in Digital Inputs/Output Points	60	60	60
Built-In Digital Input Points	36	36	36
Built-In Digital Output Points	24	24	24
Digital Input Type	24 VDC (Sink/Source)	24 VDC (Sink/Source)	24 VDC (Sink/Source)
Digital Output Type	Relay	Transistor (Sink)	Transistor (Source)
Built-In Communication	USB & Ethernet (100/10 Mbps) Full/Half Duplex		
Connection Type	Terminal block	Terminal block	Terminal block
24 VDC Power Supply	400 mA	400 mA	400 mA
Weight (kg)	0.65	0.65	0.65
Dimensions (W x H x D) mm	170 x 90 x 79	170 x 90 x 79	170 x 90 x 79