

Premium Compact Controller

FX5U & FX5UC

PRODUCT FLYER



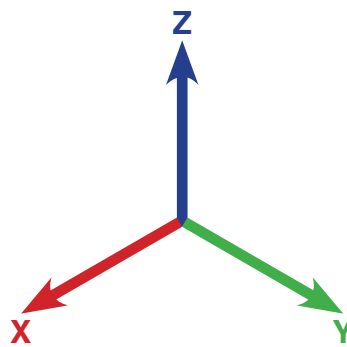
MELSEC iQ-F
The next level of industry series

Designed on the concepts of outstanding performance, superior drive control and user centric programming, Mitsubishi Electric MELSEC-F Series has been reborn as the MELSEC iQ-F Series. From stand-alone use to networked system applications, MELSEC iQ-F Series brings your business to the next level of industry. FX5UC compliments the range with ultra-compact dimensions, designed for space saving.



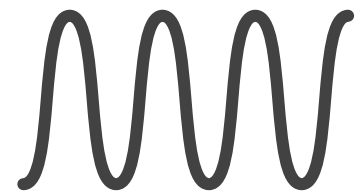
Built-in Functions

Ethernet port, RS-485 port, and SD memory card slot are standard equipment in the CPU module



Positioning Control

The CPU module has a built-in positioning function. Complex multi-axis/interpolation control is also possible by using a high-speed pulse input/output module or simple motion module.



Analog Control

Analog control is possible by using a variety of extension modules in addition to the analog input/output function of the CPU module.

Features

- » CPU module all-in-one unit
- » Built-in Analog input/output
- » High-speed system bus comms
- » Built-in SD card slot
- » Built-in positioning
- » Space saving FX5UC compact body
- » Advanced motion control
- » GX Works3 user-friendly programming software

SPECIFICATIONS

CPU Modules (AC Power Supply/DC Input Type)

Type	Function	Number of Occupied Input/Output Points	Power Supply Capacity		I/O Type	No. of Input Points	No. of Output Points
			5 V DC Power Supply	24 V DC Service Power Supply			
FX5U-32MR/ES	CPU module (24 V DC service power built-in)	32 points	900 mA	400 mA (480 mA ^{*1}) [300 mA (380 mA ^{*1})] ^{*2}	DC input (sink/source)/relay output	16 points	16 points
FX5U-32MT/ESS					DC input (sink/source)/transistor (source)		
FX5U-64MR/ES		64 points	1100 mA	600 mA (740 mA ^{*1}) [300 mA (440 mA ^{*1})] ^{*2}	DC input (sink/source)/relay output	32 points	32 points
FX5U-64MT/ESS					DC input (sink/source)/transistor (source)		
FX5U-80MR/ES		80 points	1100 mA	600 mA (770 mA ^{*1}) [300 mA (470 mA ^{*1})] ^{*2}	DC input (sink/source)/relay output	40 points	40 points
FX5U-80MT/ESS	DC input (sink/source)/transistor (source)						

CPU Modules (DC Power Supply/DC Input Type)

Type	Function	Number of Occupied Input/Output Points	Power Supply Capacity		I/O Type	No. of Input Points	No. of Output Points
			5 V DC Power Supply	24 V DC Service Power Supply			
FX5U-32MR/DS	CPU module	32 points	900 mA [775 mA] ^{*3}	480 mA [360 mA] ^{*3}	DC input (sink/source)/relay output	16 points	16 points
FX5U-32MT/DSS					DC input (sink/source)/transistor (source)		
FX5U-64MR/DS		64 points	1100 mA [975 mA]	740 mA [530 mA] ^{*3}	DC input (sink/source)/relay output	32 points	32 points
FX5U-64MT/DSS					DC input (sink/source)/transistor (source)		
FX5U-80MR/DS		80 points	1100 mA [975 mA]	770 mA [560 mA] ^{*3}	DC input (sink/source)/relay output	40 points	40 points
FX5U-80MT/DSS	DC input (sink/source)/transistor (source)						

CPU Modules

Type	Function	Number of Occupied Input/Output Points	Power Supply Capacity		I/O Type	No. of Input Points	No. of Output Points
			5 V DC Power Supply	24 V DC Service Power Supply			
FX5UC-32MT/DSS	CPU module	32 points	720 mA	500 mA	DC input (sink/source)/transistor (source)	16 points	16 points
FX5UC-64MT/DSS		64 points			DC input (sink/source)/transistor (source)		
FX5UC-96MT/DSS		96 points			DC input (sink/source)/transistor (source)		

Notes:

*1 Power supply capacity when an external power supply is used for input circuits.

*2 Value inside [] indicates the power supply capacity when the CPU module is used at the operating ambient temperature of less than 0°C.

*3 Value inside [] indicates the power supply capacity when the supply voltage is 16.8 to 19.2 V DC.

For I/O options and configurations please refer to catalogue L(NA)08428ENG-C 1905(MEE).

Catalogue

https://bit.ly/iQ-F_Series

e-Learning

<https://www.mitsubishielectric.com/fa/assist/e-learning/eng.html>

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