FAM-A-0091-A

Production Discontinuation of the FX3G Series

■Date of Issue

June 2024

■Relevant Models

FX3G-14MR/ES, FX3G-14MT/ES, FX3G-14MT/ESS, FX3G-24MR/ES, FX3G-24MT/ES, FX3G-24MT/ESS, FX3G-40MR/ES, FX3G-40MT/ES, FX3G-40MT/ESS, FX3G-60MR/ES, FX3G-60MT/ES, FX3G-60MT/ESS, FX3G-14MR/DS, FX3G-14MT/DS, FX3G-14MT/DSS, FX3G-24MR/DS, FX3G-24MT/DS, FX3G-24MT/DSS, FX3G-40MR/DS, FX3G-40MT/DS, FX3G-40MT/DSS, FX3G-60MR/DS, FX3G-60MT/DS, FX3G-60MT/DSS, FX3GC-32MT/D, FX3GC-32MT/DSS, FX3G-CNV-ADP

Thank you for your continued support of micro programmable controllers, MELSEC-F series.

This technical bulletin informs you that production of FX3G series will be discontinued. (However, the extension devices that can be connected to the FX3S series products are excluded.)

We appreciate your kind understanding.

MITSUBISHI ELECTRIC CORPORATION

1   MODELS TO BE DISCONTINUED

Product	Model
FX3G main unit	FX3G-14MR/ES
	FX3G-14MT/ES
	FX3G-14MT/ESS
	FX3G-24MR/ES
	FX3G-24MT/ES
	FX3G-24MT/ESS
	FX3G-40MR/ES
	FX3G-40MT/ES
	FX3G-40MT/ESS
	FX3G-60MR/ES
	FX3G-60MT/ES
	FX3G-60MT/ESS
	FX3G-14MR/DS
	FX3G-14MT/DS
	FX3G-14MT/DSS
	FX3G-24MR/DS
	FX3G-24MT/DS
	FX3G-24MT/DSS
	FX3G-40MR/DS
	FX3G-40MT/DS
	FX3G-40MT/DSS
	FX3G-60MR/DS
	FX3G-60MT/DS
	FX3G-60MT/DSS
FX3GC main unit	FX3GC-32MT/D
	FX3GC-32MT/DSS
Special adapter interface adapter	FX3G-CNV-ADP

2   SCHEDULE

• Start of make-to-order production: January 1, 2026
• Order acceptance: Until June 30, 2026
• Production discontinuation: December 31, 2026

We will not accept orders after June 30, 2026, and will stop production when the accepted orders are completed.

3   REASON FOR DISCONTINUATION

Our company will have difficulty maintaining the production system since the production of the components of these products has been discontinued one after another.

4   REPAIR SUPPORT

Repair support period: Until December 31, 2033 (for seven years after the discontinuation of production)
(Note that, even during the repair acceptance period, the repair will not be supported if the parts run out of stock.)

5   RECOMMENDED MODELS

Precautions on selection

The following table lists the models having the same specifications of the number of I/O points and output type as discontinued models.

Check the specifications in each manual before using these alternative models.

• It may be necessary to change programs or wiring depending on the commands that are used or the special extension device type.

• It may be necessary to change the entire system when an existing extension device is connected to an alternative model.

For details, refer to "Transition from MELSEC FX3G, FX3U, FX3UC Series to MELSEC iQ-F Series Handbook" (JY997D66201).

5.1   FX3G Main Units

Model to be discontinued	Alternative model	
FX3G main unit	**FX5S CPU module**	**FX5UJ CPU module**
FX3G-14MR/ES	FX5S-30MR/ES	FX5UJ-24MR/ES
FX3G-14MT/ES	FX5S-30MT/ES	FX5UJ-24MT/ES
FX3G-14MT/ESS	FX5S-30MT/ESS	FX5UJ-24MT/ESS
FX3G-24MR/ES	FX5S-30MR/ES	FX5UJ-24MR/ES
FX3G-24MT/ES	FX5S-30MT/ES	FX5UJ-24MT/ES
FX3G-24MT/ESS	FX5S-30MT/ESS	FX5UJ-24MT/ESS
FX3G-40MR/ES	FX5S-40MR/ES	FX5UJ-40MR/ES
FX3G-40MT/ES	FX5S-40MT/ES	FX5UJ-40MT/ES
FX3G-40MT/ESS	FX5S-40MT/ESS	FX5UJ-40MT/ESS
FX3G-60MR/ES	FX5S-60MR/ES	FX5UJ-60MR/ES
FX3G-60MT/ES	FX5S-60MT/ES	FX5UJ-60MT/ES
FX3G-60MT/ESS	FX5S-60MT/ESS	FX5UJ-60MT/ESS
FX3G-14MR/DS	FX5S-30MR/DS	FX5UJ-24MR/DS
FX3G-14MT/DS	FX5S-30MT/DS	FX5UJ-24MT/DS
FX3G-14MT/DSS	FX5S-30MT/DSS	FX5UJ-24MT/DSS
FX3G-24MR/DS	FX5S-30MR/DS	FX5UJ-24MR/DS
FX3G-24MT/DS	FX5S-30MT/DS	FX5UJ-24MT/DS
FX3G-24MT/DSS	FX5S-30MT/DSS	FX5UJ-24MT/DSS
FX3G-40MR/DS	FX5S-40MR/DS	FX5UJ-40MR/DS
FX3G-40MT/DS	FX5S-40MT/DS	FX5UJ-40MT/DS
FX3G-40MT/DSS	FX5S-40MT/DSS	FX5UJ-40MT/DSS
FX3G-60MR/DS	FX5S-60MR/DS	FX5UJ-60MR/DS
FX3G-60MT/DS	FX5S-60MT/DS	FX5UJ-60MT/DS
FX3G-60MT/DSS	FX5S-60MT/DSS	FX5UJ-60MT/DSS

5.2   FX3GC Main Units

Model to be discontinued	Alternative model
FX3G main unit	**FX5UC CPU module**
FX3GC-32MT/D	FX5UC-32MT/D
FX3GC-32MT/DSS	FX5UC-32MT/DSS

5.3   Special Adapter Interface Adapter

Model to be discontinued	Alternative model
Special adapter interface adapter	**FX5 series**
FX3G-CNV-ADP	—

6   COMPARISON OF EXTERNAL DIMENSIONS

FX3G, FX5S, and FX5UJ

■FX3G
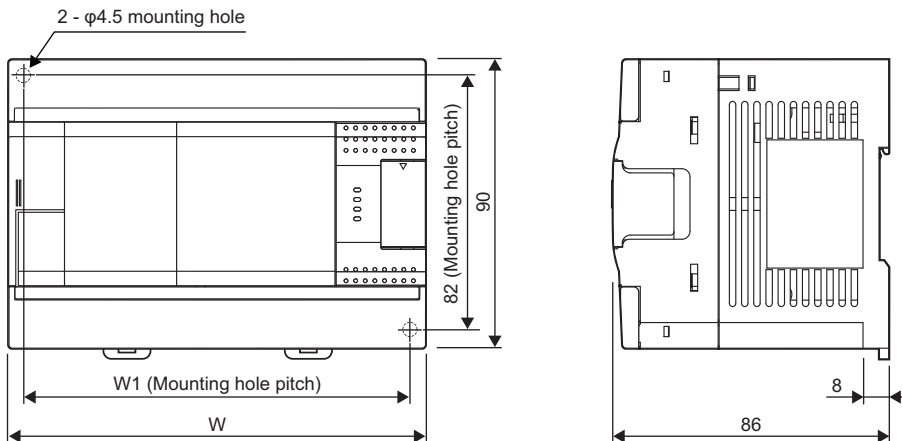
Model	W	W1
FX3G-14/24M□	90	82
FX3G-40M□	130	122
FX3G-60M□	175	167

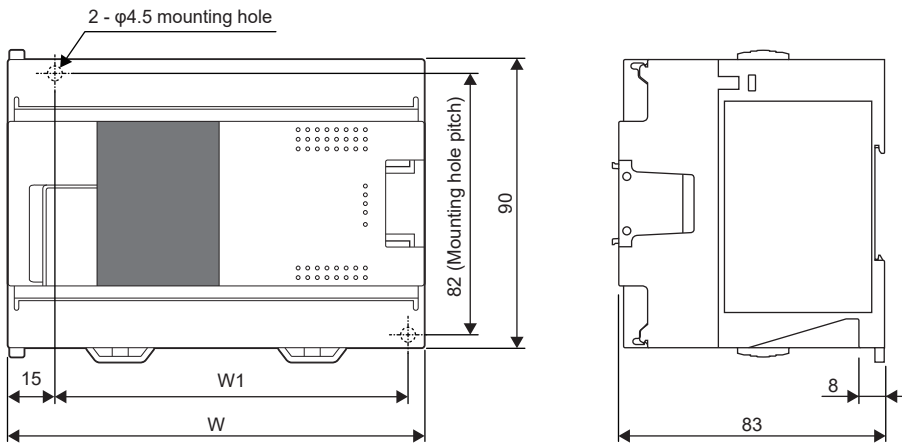#### ■FX5S
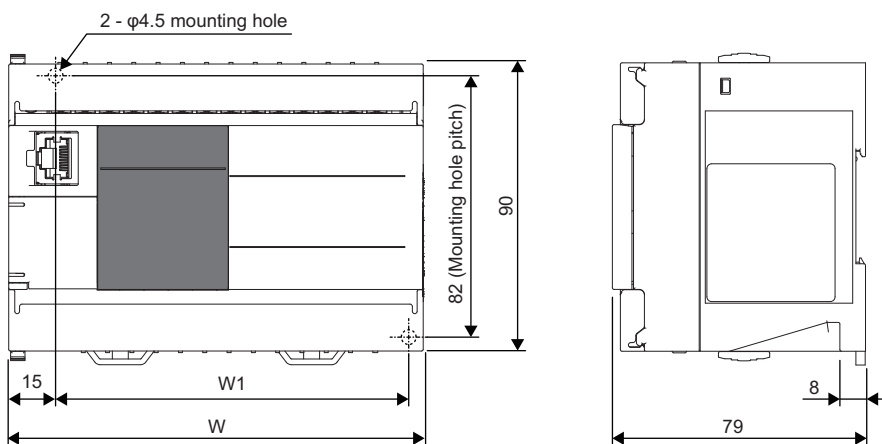
Model	W	W1
FX5S-30M□	100 (+10)	81 (-1)
FX5S-40M□	130 (±0)	111 (-11)
FX5S-60M□	175 (±0)	156 (-11)

Dimensional differences from the FX3G are shown in parentheses ().

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■**FX5UJ**

Model	W	W1
FX5UJ-24M□	95 (+5)	76 (-6)
FX5UJ-40M□	130 (±0)	111 (-11)
FX5UJ-60M□	175 (±0)	156 (-11)

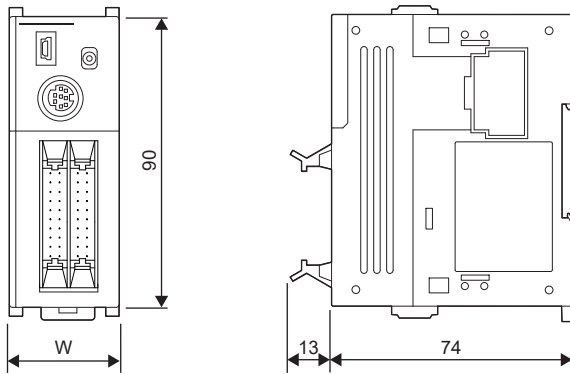Dimensional differences from the FX3G are shown in parentheses ().
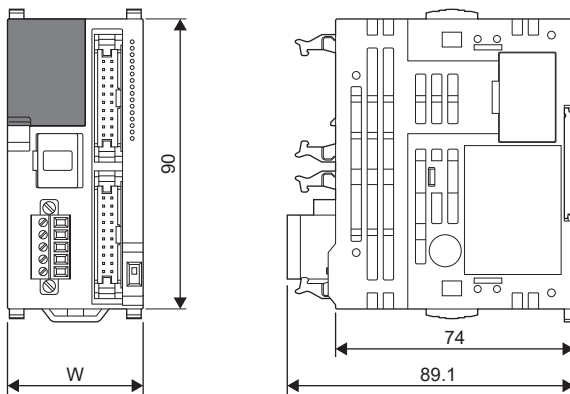
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FX3GC and FX5UC

■FX3GC

Model	W
FX3GC-32MT/D□□	34

■FX5UC

Model	W
FX5UC-32MT/D□□	42.1 (+8.1)

Dimensional differences from the FX3GC are shown in parentheses ().

7　COMPARISON OF BASIC FUNCTIONS AND SPECIFICATIONS

FX3G, FX5S, and FX5UJ

Item			FX3G	FX5S	FX5UJ
Main body	Number of I/O points	Main unit	14/24/40/60	30/40/60	24/40/60
		Maximum	128	60	256
		(Including remote I/O)	Maximum 256	—	Maximum 256
	Power supply		AC/DC	AC	AC/DC
	Input type		Sink/source type	Sink/source type	Sink/source type
	Output type		Relay, transistor (sink output/ source output)	Relay, transistor (sink output/ source output)	Relay, transistor (sink output/ source output)
	Functional expansion/ extension (Maximum number of connectable modules)	Board	○*1 (14/24 points: 1, 40/60 points: 2)	○ (1)	○ (1)
		Adapter	○*1 (14/24 points: 2, 40/60 points: 4)	○*1 (6)	○*1 (4)
		I/O, intelligent	○ (8)	×	○*1 (8)
	Battery availability		○	×	×
Functions	Built-in memory	Capacity	32k steps	48k steps	48k steps
	Built-in communication port		RS-422 USB (Mini-B)	Ethernet port USB (Mini-B)	Ethernet port USB (Mini-B)
	Built-in high-speed counter	Number of channels	6	8	8
		Maximum frequency	60kHz: 4 channels 10kHz: 2 channels	100kHz: 4 channels 10kHz: 4 channels	100kHz: 4 channels 10kHz: 4 channels
	Built-in positioning*2	Number of axes	14/24 points: 2 40/60 points: 3	4	3
		Maximum frequency	100kpps	100kpps	200kpps

*1　There may be a limit to the maximum number of connectable modules depending on the device used. Refer to the manual of each model for details.

*2　The built-in positioning function is only available in transistor output type CPU modules and main units.

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FX3GC and FX5UC

Item			FX3GC	FX5UC
Main body	Number of I/O points	Main unit	32	32/64/96
		Maximum	128	384
		(Including remote I/O)	Maximum 256	Maximum 512
	Power supply		DC	DC
	Input type		Sink/source type	Sink/source type
	Output type		Transistor (sink output/source output)	Transistor (sink output/source output)
	Functional expansion/ extension (Maximum number of connectable modules)	Adapter	○*1 (4)	○*1 (6)
		I/O, intelligent	○ (8)	○ (16)
	Battery availability		○	○
Functions	Built-in memory	Capacity	32k steps	128k steps
	Built-in communication port		RS-422 USB (Mini-B)	Ethernet port RS-485
	Built-in high-speed counter	Number of channels	6	8
		Maximum frequency	60kHz: 4 channels 10kHz: 2 channels	200kHz: 8 channels
	Built-in positioning*2	Number of axes	2	4
		Maximum frequency	100kpps	200kpps

*1 There may be a limit to the maximum number of connectable modules depending on the device used. Refer to the manual of each model for details.

*2 The built-in positioning function is only available in transistor output type CPU modules and main units.

REVISIONS

Version	Date of Issue	Revision
A	June 2024	First edition

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