



Programmable Controller

MELSEC-F

FX3G-CNV-ADP

INSTALLATION MANUAL

FX3G

Manual Number	JY997D32301
Revision	J
Date	October 2025

This manual describes the part names, dimensions, mounting, and specifications of the product. Before use, read this manual and the manuals of all relevant products fully to acquire proficiency in handling and operating the product. Make sure to learn all the product information, safety information, and precautions. Store this manual in a safe place so that it can be taken out and read whenever necessary. Always forward it to the end user.

Registration:
The company and product names described in this manual are registered trademarks or the trademarks of their respective companies.

Effective October 2025
Specifications are subject to change without notice.
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Safety Precautions (Read these precautions before use.)

This manual classifies the safety precautions into two categories:

WARNING and **CAUTION**.

WARNING	Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury.
CAUTION	Indicates that incorrect handling may cause hazardous conditions, resulting in medium or slight personal injury or physical damage.

Depending on the circumstances, procedures indicated by **CAUTION** may also cause severe injury.
It is important to follow all precautions for personal safety.

Associated Manuals

Manual name	Manual No.	Description
FX3G Series User's Manual - Hardware Edition	JY997D31301	Explains the FX3G Series PLC specifications for I/O, wiring, installation, and maintenance.

How to obtain manuals

For product manuals or documents, consult with the Mitsubishi Electric dealer from who you purchased your product.

Applicable standards

FX3G-CNV-ADP units made in November 2008 or later comply with the EC Directive (EMC Directive). Further information can be found in the following manual.

→ **FX3G Series Hardware Manual (Manual No. JY997D46001)**

Attention

This product is designed for use in industrial applications.

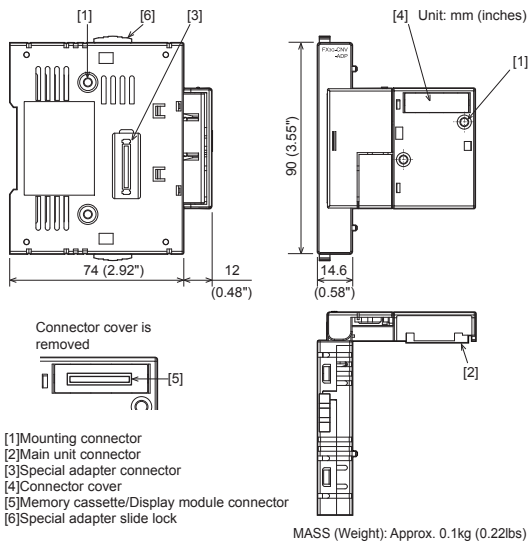
1. Outline

The FX3G-CNV-ADP special adapter connection conversion adapter (hereinafter called connector conversion adapter) is a special adapter connection conversion adapter for connecting the analog and communication special adaptors to the main unit of a PLC.

1.1 Incorporated Items

Product	FX3G-CNV-ADP special adapter connection conversion adapter
Included items	<ul style="list-style-type: none">M3×8 tapping screws for installation: 4 pcs.Side coverInstallation Manual (This manual)

1.2 External Dimensions and Part Names



2. Installation

INSTALLATION PRECAUTIONS	WARNING
<ul style="list-style-type: none">Make sure to cut off all phases of the power supply externally before attempting installation or wiring work. Failure to do so may cause electric shock or damage to the product.	

INSTALLATION PRECAUTIONS	CAUTION
<ul style="list-style-type: none">Use the product within the generic environment specifications described in PLC main unit manual (Hardware Edition). Never use the product in areas with excessive dust, oily smoke, conductive dusts, corrosive gas (salt air, Cl₂, H₂S, SO₂, or NO₂), flammable gas, vibration or impacts, or expose it to high temperature, condensation, or rain and wind. If the product is used in such conditions, electric shock, fire, malfunctions, deterioration or damage may occur.Use screwdrivers carefully when performing installation work, thus avoiding accident or product damage.When drilling screw holes or wiring, make sure that cutting and wiring debris do not enter the ventilation slits of the PLC. Failure to do so may cause fire, equipment failures or malfunctions.Do not touch the conductive parts of the product directly. Doing so may cause device failures or malfunctions.Connect the adapter securely to their designated connectors. Loose connections may cause malfunctions.	

For the installation and cable connection, refer to the following manual.
→ **FX3G Series User's Manual - Hardware Edition**

3. Specifications

STARTUP AND MAINTENANCE PRECAUTIONS	CAUTION
<ul style="list-style-type: none">Do not disassemble or modify the PLC. Doing so may cause fire, equipment failures, or malfunctions. * For repair, contact your local Mitsubishi Electric representative.Do not drop the product or exert strong impact to it. Doing so may cause damage.	

DISPOSAL PRECAUTIONS	CAUTION
<ul style="list-style-type: none">Please contact a certified electronic waste disposal company for the environmentally safe recycling and disposal of your device.	

TRANSPORT AND STORAGE PRECAUTIONS	CAUTION
<ul style="list-style-type: none">The product is a precision instrument. During transportation, avoid impacts larger than those specified in the general specifications by using dedicated packaging boxes and shock-absorbing pallets. Failure to do so may cause failures in the product. After transportation, verify operation of the product and check for damage of the mounting part, etc.	

3.1 Applicable PLC

Model name	Applicability
FX3G Series PLC	Ver.1.00 or later (from first production)

For details on the system configuration, refer to the following manual.
→ **FX3G Series User's Manual - Hardware Edition**

3.2 General Specifications

The general specifications are equivalent to the PLC main unit.
For general specifications, refer to the following manuals.
→ **FX3G Series User's Manual - Hardware Edition**

「电器电子产品有害物质限制使用标识要求」的表示方式

15 产品正常使用终结废弃时，有关电子信息产品的回收，再利用等要遵守各自自治体的法律法规的要求。
Note: This symbol mark is for China only.

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本产品中所含有的有害10物质的名称，含有量，含有部品如下表所示。

产品中有害物质的名称及含信息表						
部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBBs)	多溴二苯醚 (PBDEs)
外壳	○	○	○	○	○	○
印刷基板	×	○	○	○	○	○
部件名称	有害物质					
	邻苯二甲酸二正丁酯 (DBP)	邻苯二甲酸二异丁酯 (DIBP)	邻苯二甲酸丁苯酯 (BBP)	邻苯二甲酸二(2-乙基)己酯 (DEHP)		
外壳	○	○	○	○		
印刷基板	○	○	○	○		

注1 ○:表示该有害物质在该部件所有均质材料中的含量均不超出电器电子产品有害物质限制使用国家标准要求。
×:表示该有害物质至少在该部件的某一均质材料中的含量超出电器电子产品有害物质限制使用国家标准要求。

注2 以上未列出的部件,表明其有害物质含量均不超出电器电子产品有害物质限制使用国家标准要求。

基于中国标准法的参考规格:GB/T15969. 2

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(3) Special damages and secondary damages whether foreseeable or not, compensation for accidents, and compensation for damages to products other than Mitsubishi products.
(4) Replacement by the user, maintenance of on-site equipment, start-up test run and other tasks.

For safe use
<ul style="list-style-type: none">This product has been manufactured as a general-purpose part for general industries, and has not been designed or manufactured to be incorporated in a device or system used in purposes related to human life.Before using the product for special purposes such as nuclear power, electric power, aerospace, medicine or passenger movement vehicles, consult with Mitsubishi Electric.This product has been manufactured under strict quality control. However when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.