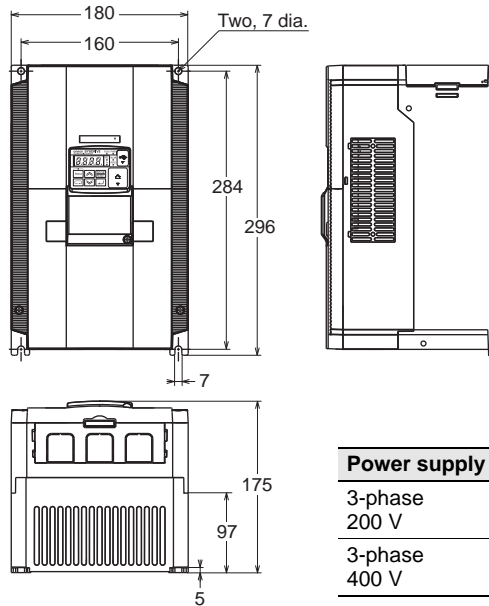
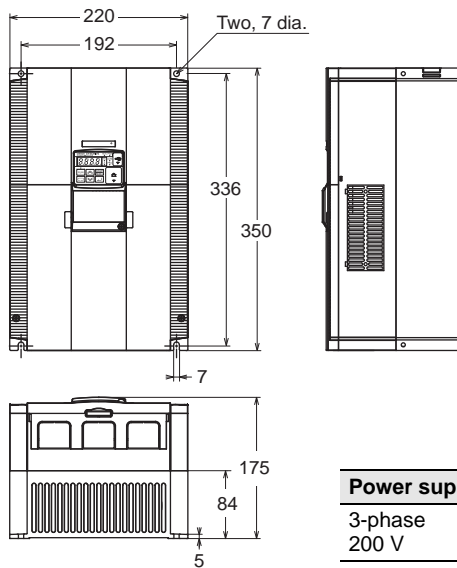


**3G3MX2-A2110-V1**  
**3G3MX2-A4110-V1**  
**3G3MX2-A4150-V1**



Power supply	Model	W [mm]	H [mm]	D [mm]	D1 [mm]
3-phase 200 V	3G3MX2-A2110-V1	180	296	175	97
3-phase 400 V	3G3MX2-A4110-V1				
	3G3MX2-A4150-V1				

**3G3MX2-A2150-V1**



Power supply	Model	W [mm]	H [mm]	D [mm]	D1 [mm]
3-phase 200 V	3G3MX2-A2150-V1	220	350	175	84

## Communication Unit

### MX2-Series EtherCAT Communication Unit 3G3AX-MX2-ECT

This is the communication unit to connect the Multi-function Compact Inverter MX2 to EtherCAT network.  
 This communication unit passed the conformance test of EtherCAT.

#### Common Specifications

Item	Specifications	
Power supply	Supplied from the inverter	
Protective structure	Open type (IP20)	
Ambient operating temperature	-10 to +50°C	
Ambient storage temperature	-20 to +65°C	
Ambient operating humidity	20% to 90% RH (with no condensation)	
Vibration resistance	5.9 m/s <sup>2</sup> (0.6 G), 10 to 55 Hz	
Application environment	At a maximum altitude of 1,000 m; indoors (without corrosive gases or dust)	
Weight	100 g max.	
International standard	UL/cUL	UL508C
	EU Directives and UK legislation	EMC :EN61800-3: 2004 Low Voltage :EN61800-5-1: 2003

# Multi-function Compact Inverter MX2-Series V1 type

## EtherCAT Communications Specifications

Item	Specifications
Communications standard	IEC 61158 Type12, IEC 61800-7 CiA 402 drive profile
Physical layer	100BASE-TX (IEEE802.3)
Connector	RJ45 × 2 (shielded type) ECAT IN : EtherCAT input ECAT OUT : EtherCAT output
Communications media	Category 5 or higher (cable with double, aluminum tape and braided shielding) is recommended.
Communications distance	Distance between nodes: 100 m max.
Process data	Fixed PDO mapping PDO mapping
Mailbox (CoE)	Emergency messages, SDO, SDO responses, and information
Distributed clock	FreeRun mode (asynchronous)
LED display	L/A IN (Link/Activity IN) × 1 L/A OUT (Link/Activity OUT) × 1 RUN × 1 ERR × 1
CiA402 drive profile	Velocity mode

## EtherCAT Communication Unit Version Information

As a Sysmac Device, the MX2-series Multi-function Compact Inverter is designed to provide optimal functionality and enhanced operability when used in conjunction with a Machine Automation Control such as NJ/NX series and the automation software Sysmac Studio.

## Unit Versions

Unit	Model	Unit version	
		Ver.1.0	Ver1.1
EtherCAT Communication Unit for MX2-Series	3G3AX-MX2-ECT	Supported	Supported
Compatible Sysmac Studio version (To connect the NJ Controller)		Version1.05 or higher*	Version1.05 or higher
Compatible Sysmac Studio version (To connect the NX Controller)		Version1.13 or higher*	Version1.13 or higher

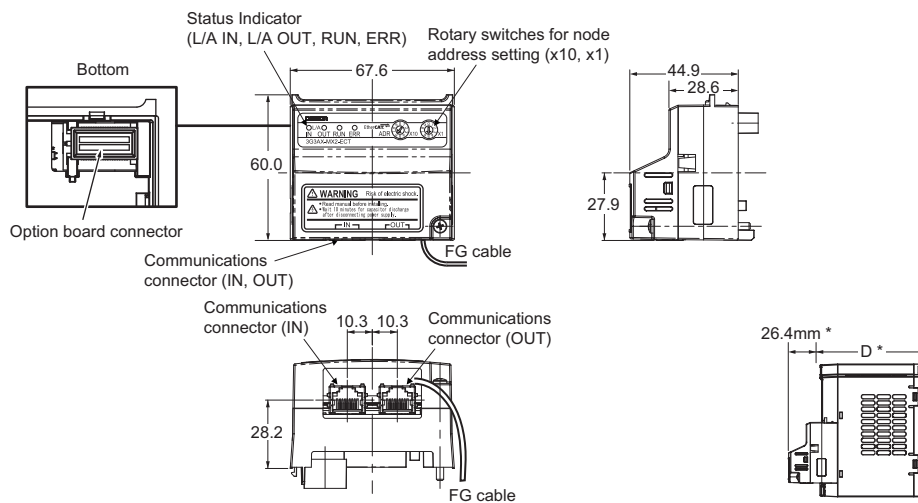
\* The function that was enhanced by the upgrade for Unit version1.1 can not be used. For detail, refer to "Function Support by Unit Version".

## Function Support by Unit Version

Unit	Unit version	Unit version 1.0	Unit version 1.1
Model			
Item			
Store-function of back-up number of parameters		Not supported	Supported
Initializing function as parameters.		Not supported	Supported

## Dimensions (Unit: mm)

### 3G3AX-MX2-ECT



\*After the EtherCAT Communication Unit is installed, dimension D of the inverter increases by 26.4 mm.  
(Dimension D of the inverter varies depending on the capacity. Refer to the MX2-series V1 type USER'S MANUAL (Cat.No.I585))