

Discontinuation Notice of Multi-function Compact Inverter 3G3MX2 Series.

Product Discontinuation

Multi-function Compact Inverter MX2 series



Model 3G3MX2-□□□□□□



Recommended Replacement

Multi-function Compact Inverter MX2 series

Model 3G3MX2-□□□□□□-V1

[Discontinuation date]

The end of March, 2014

[Caution on recommended replacement]

Dimensions and attachment size is the same, key panel color is different.
Some default of parameter is different.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
3G3MX2-□□□□-V1	*	**	**	**	*	*	*

** : Compatible

* : The change is a little/Almost compatible

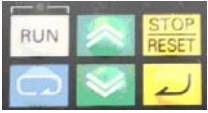

-- : Not compatible

- : No corresponding specification

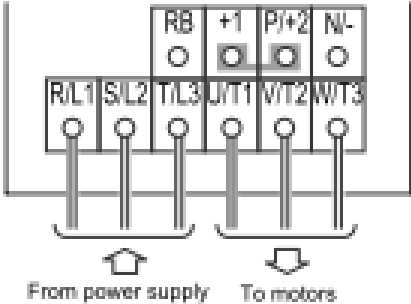
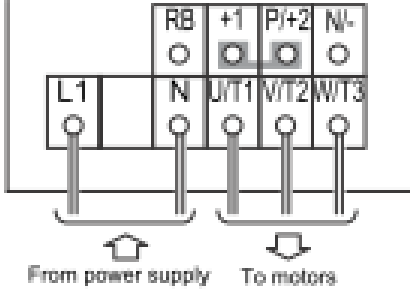
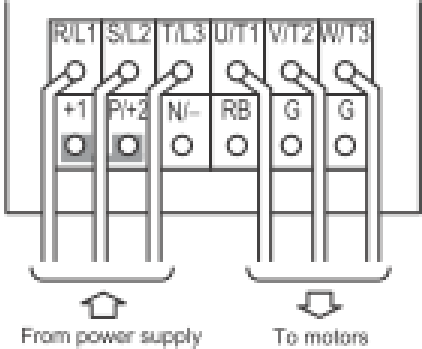
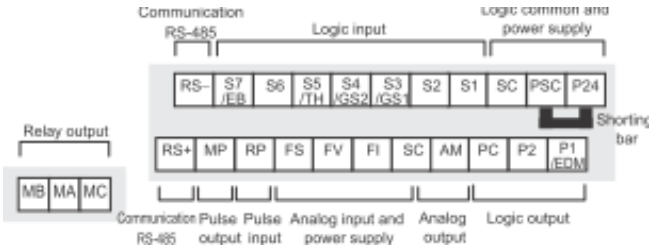
[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
3G3MX2-A2001	3G3MX2-A2001-V1
3G3MX2-A2002	3G3MX2-A2002-V1
3G3MX2-A2004	3G3MX2-A2004-V1
3G3MX2-A2007	3G3MX2-A2007-V1
3G3MX2-A2015	3G3MX2-A2015-V1
3G3MX2-A2022	3G3MX2-A2022-V1
3G3MX2-A2037	3G3MX2-A2037-V1
3G3MX2-A2055	3G3MX2-A2055-V1
3G3MX2-A2075	3G3MX2-A2075-V1
3G3MX2-A2110	3G3MX2-A2110-V1
3G3MX2-A2150	3G3MX2-A2150-V1
3G3MX2-A4004	3G3MX2-A4004-V1
3G3MX2-A4007	3G3MX2-A4007-V1
3G3MX2-A4015	3G3MX2-A4015-V1
3G3MX2-A4022	3G3MX2-A4022-V1
3G3MX2-A4030	3G3MX2-A4030-V1
3G3MX2-A4040	3G3MX2-A4040-V1
3G3MX2-A4055	3G3MX2-A4055-V1
3G3MX2-A4075	3G3MX2-A4075-V1
3G3MX2-A4110	3G3MX2-A4110-V1
3G3MX2-A4150	3G3MX2-A4150-V1
3G3MX2-AB001	3G3MX2-AB001-V1
3G3MX2-AB002	3G3MX2-AB002-V1
3G3MX2-AB004	3G3MX2-AB004-V1
3G3MX2-AB007	3G3MX2-AB007-V1
3G3MX2-AB015	3G3MX2-AB015-V1
3G3MX2-AB022	3G3MX2-AB022-V1

[Body color]

Product discontinuation Model 3G3MX2-□□□□□	Recommendable replacement Model 3G3MX2-□□□□□-V1
<p>Black</p> <p>Key Panel Colors: RUN: Gray START/STOP: Yellow Mode: Blue Enter: Yellow Increment: Green Decrement: Green</p> 	<p>Black</p> <p>Key Panel Colors: RUN: Green START/STOP: Red Mode: Blue Enter: Yellow Increment: Gray Decrement: Gray</p> 

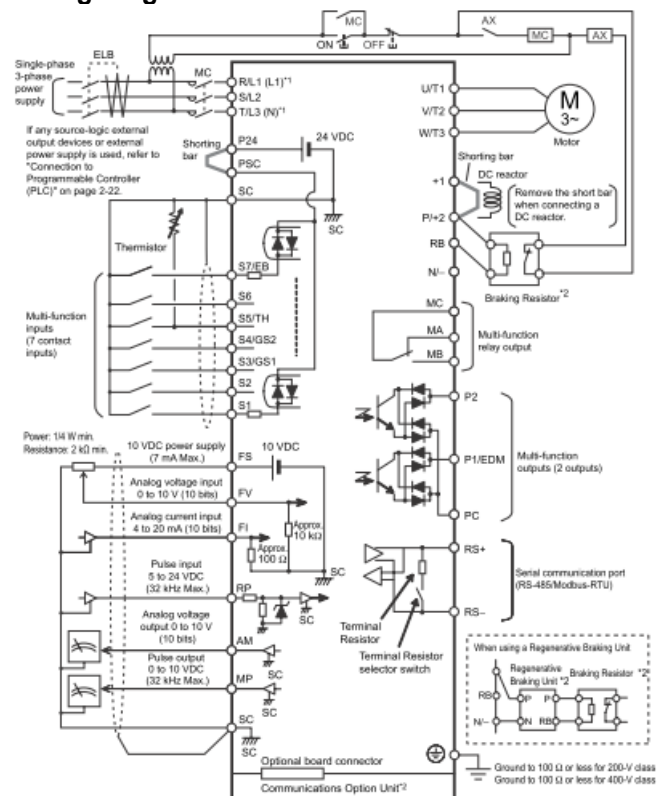
[Wire connection]

<p>Product discontinuation Model 3G3MX2-□□□□□</p>	<p>Recommendable replacement Model 3G3MX2-□□□□□-V1</p>
<p>Main Circuit Terminals Model 3G3MX2-A2001 ~ -A2037 (0.1 ~ 3.7 kW) Model 3G3MX2-A4004 ~ -A4040 (0.1 ~ 4 kW)</p>  <p>From power supply To motors</p> <p>Model 3G3MX2-AB001 ~ -AB022 (0.1 ~ 2.2 kW)</p>  <p>From power supply To motors</p> <p>(Connect to L1 and N for 1-phase)</p> <p>Model 3G3MX2-A2055 ~ -A2150 (5.5 ~ 15 kW) Model 3G3MX2-A4055 ~ -A4150 (5.5 ~ 15 kW)</p>  <p>From power supply To motors</p>	<p>Main Circuit Terminals</p> <p>Same as 3G3MX2-□□□□□ in left.</p>
<p>Control Circuit Terminals</p>  <p>Communication Logic input Logic common and power supply</p> <p>Relay output</p> <p>Shorting bar</p> <p>Communicate Pulse Pulse Analog input and Analog Logic RS-485 output input power supply output output</p>	<p>Control Circuit Terminals</p> <p>Same as 3G3MX2-□□□□□ in left.</p>

Product discontinuation
Model 3G3MX2-□□□□□

Recommendable replacement
Model 3G3MX2-□□□□□-V1

Wiring Diagram



*1 Connect to terminals L1 and N on a single-phase, 200-V Inverter (3G3MX2-AB-□□□).
*2 Optional.

Wiring Diagram

Same as 3G3MX2-□□□□□ in left.

[Dimensions]

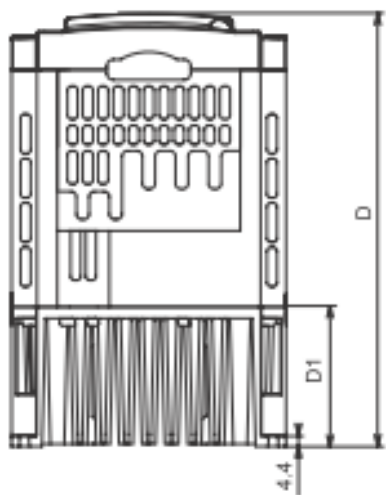
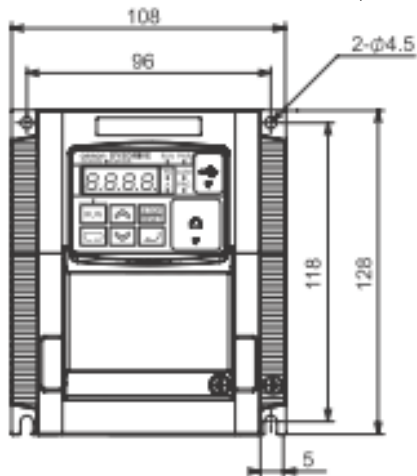
Product discontinuation Model 3G3MX2-□□□□□		Recommendable replacement Model 3G3MX2-□□□□□-V1			
Model 3G3MX2-A2001 ~ -A2007 (0.1 ~ 0.75 kW) Model 3G3MX2-AB001 ~ -AB004 (0.1 ~ 0.4 kW)		Same as 3G3MX2-□□□□□ in left.			
Power supply	Model	W [mm]	H [mm]	D [mm]	D1 [mm]
1-phase 200 V	3G3MX2-AB001	68	128	109	13.5
	3G3MX2-AB002			122.5	27
	3G3MX2-AB004				
3-phase 200 V	3G3MX2-A2001	68	128	109	13.5
	3G3MX2-A2002			122.5	27
	3G3MX2-A2004				
	3G3MX2-A2007				

Product discontinuation
Model 3G3MX2-□□□□□

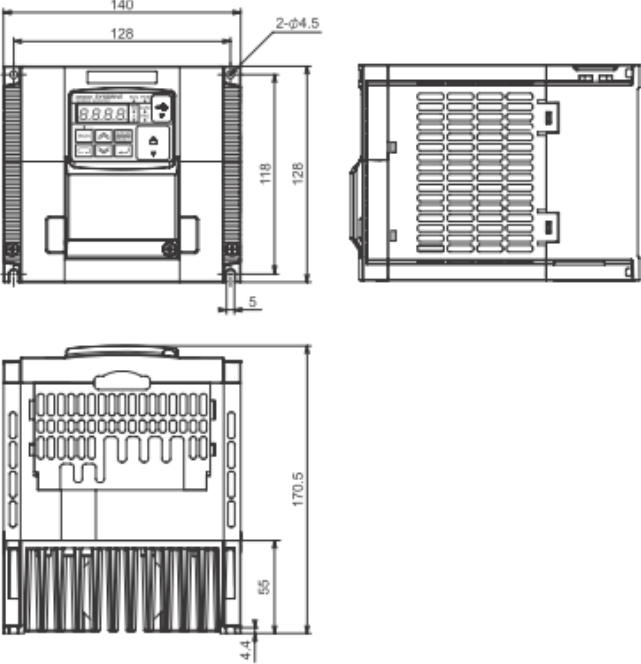
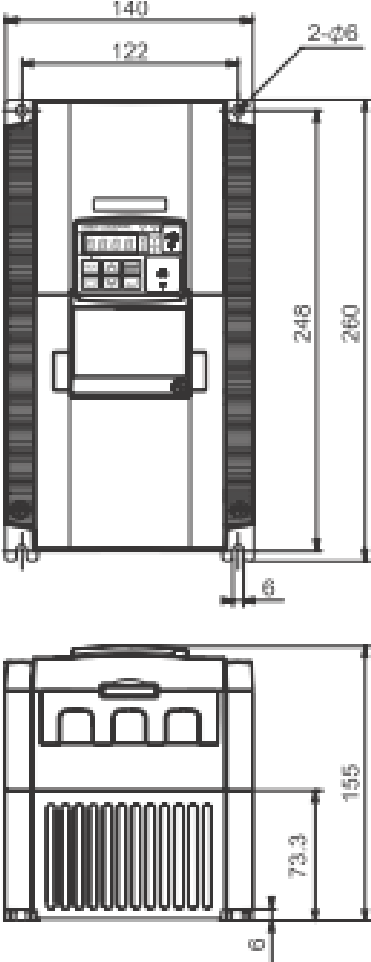
Recommendable replacement
Model 3G3MX2-□□□□□-V1

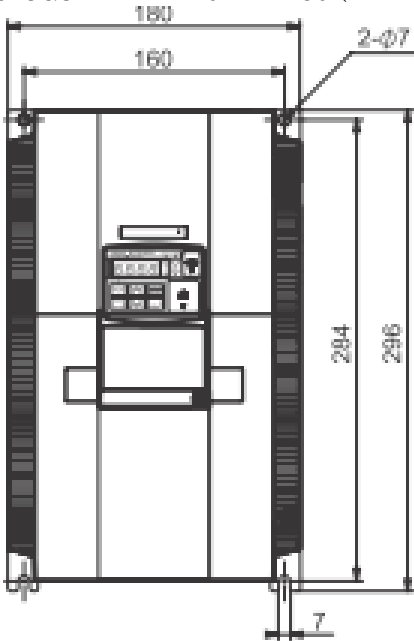
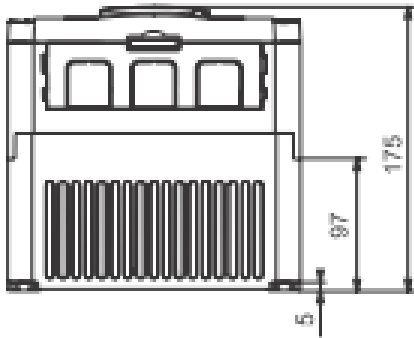
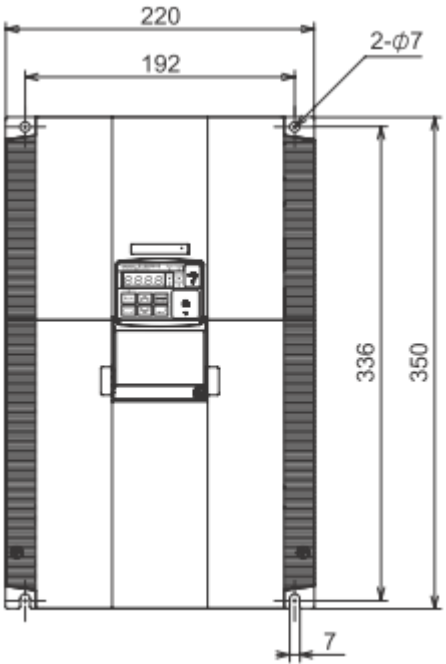
Model 3G3MX2-A2015 ~ -A2022 (1.5 ~ 2.2 kW)
 Model 3G3MX2-A4004 ~ -A4030 (0.4 ~ 3.0 kW)
 Model 3G3MX2-AB007 ~ -AB022 (0.75 ~ 2.2 kW)

Same as 3G3MX2-□□□□□ in left.



Power supply	Model	W [mm]	H [mm]	D [mm]	D1 [mm]
1-phase 200 V	3G3MX2-AB007	108	128	170.5	55
	3G3MX2-AB015				
	3G3MX2-AB022				
3-phase 200 V	3G3MX2-A2015			143.5	28
	3G3MX2-A2022				
3-phase 400 V	3G3MX2-A4004			170.5	55
	3G3MX2-A4007				
	3G3MX2-A4015				
	3G3MX2-A4022				
	3G3MX2-A4030				

<p align="center">Product discontinuation Model 3G3MX2-□□□□□</p>	<p align="center">Recommendable replacement Model 3G3MX2-□□□□□-V1</p>
<p>Model 3G3MX2-A2037 (3.7 kW) Model 3G3MX2-A4040 (4.0 kW)</p>  <p>Model 3G3MX2-A2055 ~ A2075 (5.5 ~ 7.5 kW) Model 3G3MX2-A4055 ~ A4075 (5.5 ~ 7.5 kW)</p> 	<p>Same as 3G3MX2-□□□□□ in left.</p>

<p>Product discontinuation Model 3G3MX2-□□□□□</p>	<p>Recommendable replacement Model 3G3MX2-□□□□□-V1</p>
<p>Model 3G3MX2-A2110 (11 kW) Model 3G3MX2-A4110 ~ A4150 (11 ~ 15 kW)</p>   <p>Model 3G3MX2-A2150 (15 kW)</p> 	<p>Same as 3G3MX2-□□□□□ in left.</p>

[Characteristics]

Item	Product discontinuation Model 3G3MX2-□□□□□□	Recommendable replacement Model 3G3MX2-□□□□□□-V1
Rated Input Voltage	3G3MX2-A2□□□□: 3-Phase 200 V -15% to 240 VAC +10%, 50/60 Hz; +/-5% 3G3MX2-A4□□□□: 3-Phase 380 VAC -15% to 480 VAC +10%, 50/60 Hz +/-5% 3G3MX2-AB□□□□: Single-Phase 200 V -15% to 240 VAC +10%, 50/60Hz; +/-5%	Same as 3G3MX2-□□□□□□ in left.
Ambient Operating Temperature	-10 to 50°C	Same as 3G3MX2-□□□□□□ in left.
Ambient Operating Humidity	20 to 90%RH (with no condensation)	Same as 3G3MX2-□□□□□□ in left.
Protections	IP20, Varnish coating on PCB	Same as 3G3MX2-□□□□□□ in left.
Mass	Depending on the model. Reference to the User's manual. (No. I570-E1-02)	Same as 3G3MX2-□□□□□□ in left. Reference to the User's manual. (No. I585-E1)
Output frequency range	0.10 to 400 Hz (or 1,000 Hz in the high-frequency mode; restrictions apply)	0.10 to 400 Hz (or 580 Hz in the high-frequency mode; restrictions apply)
Starting Torque	200% at 0.5 Hz	Same as 3G3MX2-□□□□□□ in left.
Modbus Communication	Yes	Same as 3G3MX2-□□□□□□ in left.
PID Control	Yes	Same as 3G3MX2-□□□□□□ in left.
Analog Output	Yes (1 Point)	Same as 3G3MX2-□□□□□□ in left.
Analog Output	Yes (7 Points)	Same as 3G3MX2-□□□□□□ in left.
Sensorless Vector Control	Yes	Same as 3G3MX2-□□□□□□ in left.
Pulse Train Output	Yes (1 Point)	Same as 3G3MX2-□□□□□□ in left.
Connectivity with Network Option (3G3AX-MX2-□)	Yes (Ver. 1.1) No (Ver. 1.0)	Yes

[Operation ratings]

Item	Product discontinuation Model 3G3MX2-□□□□□□	Recommendable replacement Model 3G3MX2-□□□□□□-V1
Control Method	Phase-to-phase sinusoidal pulse with modulation PWM (Sensorless vector control, V/Hz)	Same as 3G3MX2-□□□□□□ in left.
Dual Ratings	Heavy duty (CT) Normal duty (VT)	Same as 3G3MX2-□□□□□□ in left.
Rated Output Current	Depending on the model. Reference to the User's manual. (No. I570-E1-02)	Same as 3G3MX2-□□□□□□ in left. Reference to the User's manual. (No. I585-E1)
Maximum Output Frequency	0.10 to 1000.00 Hz (with restrictions above 400 Hz)	0.10 to 580.00 Hz (with restrictions above 400 Hz)
Carrier Frequency	2 to 15 kHz (with derating)	Same as 3G3MX2-□□□□□□ in left.
Acceleration/Deceleration Time	0.01 to 3600.0 seconds	Same as 3G3MX2-□□□□□□ in left.
Overload Current Rating	Heavy duty (CT): 150% for 1 minute Normal duty (VT): 120% for 1 minute	Same as 3G3MX2-□□□□□□ in left.

[Operation methods]

Product discontinuation Model 3G3MX2-□□□□□□	Recommendable replacement Model 3G3MX2-□□□□□□-V1
Operated with the LED digital operator on the front panel.	Same as 3G3MX2-□□□□□□ in left.

[EC Directives and UL/cUL Standards]

Item	Product discontinuation Model 3G3MX2-□□□□□□	Recommendable replacement Model 3G3MX2-□□□□□□-V1
EC Directives	Machinery Directive EN ISO 13849-1: 2008 PLd EN 61800-5-2 EN 60204-1	Same as 3G3MX2-□□□□□□ in left.
	Low-voltage Directive EN 61800-5-1	
	EMC Directive EN 61800-3	
UL	UL508C CSA-C22.2 No.14	Same as 3G3MX2-□□□□□□ in left.
Safety functions	Meet requirements for IEC 60204-1 Stop Category 0 operation and ISO 13849-1 Performance Level PLd of the Machinery Directive.	Same as 3G3MX2-□□□□□□ in left.

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.