Multi-function Compact Inverter

MX2-Series

With Machine Automation Mentality

- Current vector Control.
- High Starting torque: 200% at 0.5 Hz.
- Double rating VT 120%/1 min and CT 150% /1 min.
- Speed range up to 1,000 Hz.
- · Positioning functionality.
- Safety function *1 EN ISO13849-1:2008 (Cat.3/PLd) IEC60204-1 Stop Category 0
- Fieldbus communications with optional unit *2: EtherCAT, CompoNet and DeviceNet *3
- Modbus communications.
- *1 When optional communication unit is mounted onto the MX2, the inverter will not conform to the safety standards.
- *2 Optional communication unit can be used with the inverter 3G3MX2 of unit version 1.1 or higher.
- *3 DeviceNet communication unit will be available soon.



Performance Specifications

Inverter 3G3MX2

3-phase 200 V Class

Function name						3-	phase 200	V					
Model name	(3G3MX	(2-)	A2001	A2002	A2004	A2007	A2015	A2022	A2037	A2055	A2075	A2110	A2150
	LAM	СТ	0.1	0.2	0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15
Applicable motor	kW	VT	0.2	0.4	0.75	1.1	2.2	3.0	5.5	7.5	11	15	18.5
capacity	НР	СТ	1/8	1/4	1/2	1	2	3	5	7 1/2	10	15	20
. ,	ПР	VT	1/4	1/2	1	1 1/2	3	4	7 1/2	10	15	20	25
Rated	200 V	СТ	0.2	0.5	1.0	1.7	2.7	3.8	6.0	8.6	11.4	16.2	20.7
output	200 V	VT	0.4	0.6	1.2	2.0	3.3	4.1	6.7	10.3	13.8	19.3	23.9
capacity	240 V	СТ	0.3	0.6	1.2	2.0	3.3	4.5	7.2	10.3	13.7	19.5	24.9
[kVA]	240 V	VT	0.4	0.7	1.4	2.4	3.9	4.9	8.1	12.4	16.6	23.2	28.6
Rated input	voltage			3-phase 200 V - 15% to 240 V + 10%, 50/60 Hz ± 5%									
Rated input	current	СТ	1.0	1.6	3.3	6.0	9.0	12.7	20.5	30.8	39.6	57.1	62.6
[A]		VT	1.2	1.9	3.9	7.2	10.8	13.9	23.0	37.0	48.0	68.0	72.0
Rated outpu	ıt voltage)	3-phase 200 to 240 V (The output cannot exceed the incoming voltage).										
Rated outpu	ıt	СТ	1.0	1.6	3.0	5.0	8.0	11.0	17.5	25.0	33.0	47.0	60.0
current [A]		VT	1.2	1.9	3.5	6.0	9.6	12.0	19.6	30.0	40.0	56.0	69.0
braking tord	Short-time deceleration braking torque (%) (Discharge Resistor not connected)		50	50	50	50	50	20	20	20	20	10	10
Braking Regeneral braking		ative			Built-i	n Braking	Resistor o	circuit (sep	arate Disc	charge Re	sistor)		
Resistor circuit *	Min. cor resistan	nnectable ice $[\Omega]$	100	100	100	50	50	35	35	20	17	17	10
Weight [kg]	Weight [kg]		1.0	1.0	1.1	1.2	1.6	1.8	2.0	3.3	3.4	5.1	7.4
Dimensions (width × height) [mm]			68 ×	128		108 >	< 128	140 × 128	140	× 260	180 × 296	220 × 350	
Dimensions	(depth)	[mm]	10	09	122.5	145.5	17	0.5	170.5	15	55	17	75

^{*} The BRD usage is 10%.

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Multi-function Compact Inverter MX2-Series

3-phase 400 V Class

Function name		3-phase 400 V										
Model name	(3G3MX	(2-)	A4004	A4007	A4015	A4022	A4030	A4040	A4055	A4075	A4110	A4150
	kW	СТ	0.4	0.75	1.5	2.2	3.0	4.0	5.5	7.5	11	15
Applicable motor	NVV	VT	0.75	1.5	2.2	3.0	4.0	5.5	7.5	11	15	18.5
capacity	НР	СТ	1/2	1	2	3	4	5	7 1/2	10	15	20
	ПР	VT	1	2	3	4	5	7 1/2	10	15	20	25
Rated	380 V	СТ	1.1	2.2	3.1	3.6	4.7	6.0	9.7	11.8	15.7	20.4
output	360 V	VT	1.3	2.6	3.5	4.5	5.7	7.3	11.5	15.1	20.4	25.0
capacity	480 V	СТ	1.4	2.8	3.9	4.5	5.9	7.6	12.3	14.9	19.9	25.7
[kVA]	400 V	VT	1.7	3.4	4.4	5.7	7.3	9.2	14.5	19.1	25.7	31.5
Rated input	voltage			•	3-phas	e 380 V -	15% to 48	0 V + 10%	, 50/60 H	z ± 5%	•	•
Rated input	current	СТ	1.8	3.6	5.2	6.5	7.7	11.0	16.9	18.8	29.4	35.9
[A]	[A]		2.1	4.3	5.9	8.1	9.4	13.3	20.0	24.0	38.0	44.0
Rated outpu	ıt voltage	•	3-phase 380 to 480 V (The output cannot exceed the incoming voltage).									
Rated outpu	ıt	СТ	1.8	3.4	4.8	5.5	7.2	9.2	14.8	18.0	24.0	31.0
current [A]		VT	2.1	4.1	5.4	6.9	8.8	11.1	17.5	23.0	31.0	38.0
braking tord	Short-time deceleration braking torque (%) (Discharge Resistor not connected)		50	50	50	20	20	20	20	20	10	10
Braking Bosistor	Regener braking	ative	Built-in Braking Resistor circuit (separate Discharge Resistor))				
Resistor circuit *	Min. cor resistar	nnectable ice $[\Omega]$	180	180	180	100	100	100	70	70	70	35
Weight [kg]		1.5	1.6	1.8	1.9	1.9	2.1	3.5	3.5	4.7	5.2	
Dimensions (width × height) [mm]				108 × 128			140 × 128	140	× 260	180 >	× 296	
Dimensions	(depth)	[mm]	143.5		17	0.5		170.5	15	55	17	75

^{*} The BRD usage is 10%.

1-phase 200 V Class

Function name			1-phase 200 V					
Model name	(3G3MX	(2-)	AB001	AB002	AB004	AB007	AB015	AB022
	kW	СТ	0.1	0.2	0.4	0.75	1.5	2.2
Applicable motor		VT	0.2	0.4	0.55	1.1	2.2	3.0
capacity	НР	СТ	1/8	1/4	1/2	1	2	3
. ,	ПР	VT	1/4	1/2	3/4	1 1/2	3	4
Rated	200 V	СТ	0.2	0.5	1.0	1.7	2.7	3.8
output	200 V	VT	0.4	0.6	1.2	2.0	3.3	4.1
capacity	240 V	СТ	0.3	0.6	1.2	2.0	3.3	4.5
[kVA]	240 V	VT	0.4	0.7	1.4	2.4	3.9	4.9
Rated input voltage		1-phase 200 V - 15% to 240 V + 10%, 50/60 Hz ± 5%						
Rated input curren		СТ	1.3	3.0	6.3	11.5	16.8	22.0
[A]		VT	2.0	3.6	7.3	13.8	20.2	24.0
Rated output voltage		3-phase 200 to 240 V (The output cannot exceed the incoming voltage).						
Rated outpu	ut	СТ	1.0	1.6	3.0	5.0	8.0	11.0
current [A]		VT	1.2	1.9	3.5	6.0	9.6	12.0
braking tord	Short-time deceleration braking torque (%) (Discharge Resistor not connected)		50	50	50	50	50	20
Braking Resistor	Regener braking	ative	Built-in Braking Resistor circuit (separate Discharge Resistor)					istor)
circuit *	Min. cor resistar	nnectable ice $[\Omega]$	100	100	100	50	50	35
Weight [kg]		1.0	1.0	1.1	1.6	1.8	1.8	
Dimensions (width × height) [mm]			68 × 128			108 × 128		
Dimensions	(depth)	[mm]	10)9	122.5		170.5	

^{*} The BRD usage is 10%.

Function Specifications

	Fun	ction name	Specifications				
Enc	losure rati	ngs *1	Open type (IP20)				
	Control m	ethod	Phase-to-phase sinusoidal modulation PWM				
	Output fre	equency range *2	0.10 to 400 Hz (or 1,000 Hz in the high-frequency mode; restrictions apply)				
	Frequency	y precision *3	Digital command: ±0.01% of the max. frequency, Analog command: ±0.2% of the max. frequency (25°C±10°C)				
	Frequency	y setting resolution	Digital setting: 0.01 Hz, Analog setting: One-thousandth of the maximum frequency				
	Voltage/Fi		V/f characteristics (constant/reduced torque) Sensorless vector control, V/f control with speed feedback				
Control	Overload	current rating	Heavy load rating (CT): 150%/60 s Light load rating (VT): 120%/60 s				
3	Instantane	eous overcurrent	200% of the value of heavy load rating (CT)				
	Accelerati	ion/Deceleration time	0.01 to 3600 s (linear/curve selection), acceleration/deceleration 2 setting available				
	Carrier free	uency adjustment range	2 to 15 kHz (with derating)				
	Starting to	orque	200%/0.5 Hz (sensorless vector control)				
		OC injection braking	Starts at a frequency lower than that in deceleration via the STOP command, at a value set lower than that during operation, or via an external input. (Level and time settable).				
Prot	tective fund	ctions	Overcurrent, overvoltage, undervoltage, electronic thermal, temperature error, ground fault overcurrent at power-on status, rush current prevention circuit, overload limit, incoming overvoltage, external trip, memory error, CPU error, USP error, communication error, overvoltage suppression during deceleration, protection upon momentary power outage, emergency cutoff, etc.				
<u>a</u>	Frequency	y settings	Digital Operator External analog input signal: 0 to 10 VDC/4 to 20 mA, Modbus communication (Modbus-RTU)				
Input signal	RUN/STO	P command	Digital Operator External digital input signal (3-wire input supported), Modbus communication (Modbus-RTU)				
ont	Multi-func	tion input	7 points (Selectable from 59 functions)				
⊑∣	Analog in	put	2 points (Voltage FV terminal: 10 bits/0 to 10 V, Current FI terminal: 10 bits/4 to 20 mA)				
	Pulse input		1 point (RP terminal: 32 kHz max., 5 to 24 VDC)				
ıal	Multi-function output		2 points (P1/EDM, P2; selectable from 43 functions)				
sig	Relay output		1 point (1c contact: MC, MA, MB; selectable from 43 functions)				
Ħ	Analog output (Frequency monitor)		1 point (AM terminal: Voltage 10 bits/0 to 10 V) (Frequency, current selectable)				
Output signal	Pulse output		1 point (MP terminal: 32 kHz max., 0 to 10 V)				
	RS-422		RJ45 connector (for Digital Operator)				
Communications	RS-485		Control circuit terminal block, Modbus communication (Modbus-RTU)				
Comu	USB		USB1.1, mini-B connector				
Oth	er function	ıs	AVR function, V/f characteristics switching, upper/lower limit, 16-step speeds, starting frequency adjustment, jogging operation, carrier frequency adjustment, PID control, frequency jump, analog gain, bias adjustment, S shape acceleration/deceleration, electronic thermal characteristics, level adjustment, restart function, torque boost function, fault monitor, soft lock function, frequency conversion display, USP function, motor 2 control function, UP/DWN, overcurrent control function, etc.				
ons	Ambient t	emperature	-10 to 50°C (However, derating is required).				
IIIcat	Ambient s	storage temperature	-20°C to 65°C (short-time temperature during transport)				
sbec	Humidity		20% to 90% RH (with no condensation)				
General specifications	Vibration		5.9 m/s ² (0.6G), 10 to 55 Hz				
g Location			At a maximum altitude of 1,000 m; indoors (without corrosive gases or dust)				
Opti	Options		DC reactor, AC reactor, radio noise filter, input noise filter, output noise filter, regenerative braking unit, Braking Resistor, EMC noise filter, etc.				
ard		EMC directive	EN61800-3: 2004				
tanda	EC directive	Low voltage directive	EN61800-5-1: 2003				
ional s		Machinery directives	IEC60204-1 Stop Category 0, EN IEC61800-5-2 (STO), EN ISO13849-1: 2008 (PLd), ISO13849-1: 2006 (PLd)				
International standard	UL/cUL		UL508C				

Note: 1. The applicable motor is a 3-phase standard motor. For using any other type, be sure that the rated current does not exceed that of the Inverter.

2. Output voltage decreases according to the level of the power supply voltage.

*1 Protection method complies with JEM 1030.

^{3.} The braking torque at the time of capacitor feedback is an average deceleration torque at the shortest deceleration (when it stops from 50 Hz). It is not a continuous regeneration torque. Also, the average deceleration torque varies depending on the motor loss. The value is reduced in operation over 50 Hz.

^{*2} To operate the motor at over 50/60 Hz, contact the motor manufacturer to find out the maximum allowable spece of 10.5 later.
*3 For the stable control of the motor, the output frequency may exceed the maximum frequency set in A004 (A204) by 2 Hz max.

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.

Note: EtherCAT Communication Unit 3G3AX-MX2-ECT can be used with the inverter 3G3MX2 of unit version 1.1 or higher.

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 resistanc	е	5.9 m/s ² (0.6 G), 10 to 55 Hz		
Application environ	ment	At a maximum altitude of 1,000 m; indoors (without corrosive gases or dust)		
Weight		100 g max.		
International standard	UL/cUL	UL508C		
	EC directive	EMC Directive :EN61800-3: 2004 Low Voltage Directive :EN61800-5-1: 2003		

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 requests, SDO responses, and SDO 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 series and the automation software Sysmac Studio.

Sysmac Device is a generic term for OMRON control devices such as an EtherCAT Slave, designed with unified communications specifications

Unit Versions

and user interface specifications.

Unit	Model		ersion
Offic	Model	Ver.1.0	Ver1.1
EtherCAT Communication Unit for MX2-Series	3G3AX-MX2-ECT	Supported	Supported
Compatible Sysmac Studio version	•	Version1.00 or higher*	Version1.00 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 Model Unit version Item	Unit version 1.0	Unit version 1.1
Store-function of back-up number of parameters	Not supported	Supported
Initializing function as parameters.	Not supported	Supported

MX2-Series CompoNet Communication Unit 3G3AX-MX2-CRT-E

This is the communication unit to connect the Multi-function Compact Inverter MX2 to CompoNet network.

Note: CompoNet Communication Unit 3G3AX-MX2-CRT-E can be used with the inverter 3G3MX2 of unit version 1.1 or higher.

Common Specification

Item		Specification		
Power supply		Supplied from the inverter		
Protective structure		IP20		
Ambient operating tempe	rature	- 10 to 55 °C (no icing or condensation)		
Ambient storage tempera	ture	- 20 to 65 °C (no icing or condensation)		
Ambient operating humidity		20 to 90%RH		
Vibration resistance		5.9m/s ² (0.6G), 10 to 55Hz		
Application environment		At a maximum altitude of 1,000 m; indoors (without corrosive gases or dust)		
Insulation resistance		500VAC (between isolated circuits)		
Weight		Approx. 170g		
	UL/cUL	UL508		
International standard	EQ alima ati ua	EN61800-3: 2004 (2004/108/EC) Second environment, Category C3		
	EC directive	EN61800-5-1: 2007 (2006/95/EC) SELV		

CompoNet Communications Specifications

Item	Specification
Slave type	Word Slave Unit (Mixed)
Certification	CompoNet Conformance Tested
CompoNet Profile	AC Drive (0x02)
Node Address	0 to 63, set with inverter parameter P190 or the rotary switches.
Communication power supply	- (External power not required)
Baud rates supported	4 Mbps, 3 Mbps, 1.5 Mbps, 93.75 kbps. Automatically detecting baud rate of Master Unit
Default Connection path	Supported, set with inverter parameter P046
Supported Assemblies	Basic Remote IO (Output assembly 20, Input assembly 70) Extended Speed IO (21, 71) Extended Speed and Torque Control (123, 173) Special IO (100, 150) Extended Control IO (101, 151) Extended Control IO and Multi function IO monitor (101, 153) Flexible Format (139, 159) Extended Speed and Acceleration Control (110, 111)
EDS file	Depending on the MX2 inverter model

MX2-Series DeviceNet Communication Unit 3G3AX-MX2-DRT-E

This is the communication unit to connect the Multi-function Compact Inverter MX2 to DeviceNet network.

Note: DeviceNet Communication Unit 3G3AX-MX2-DRT-E can be used with the inverter 3G3MX2 of unit version 1.1 or higher.

Common Specification

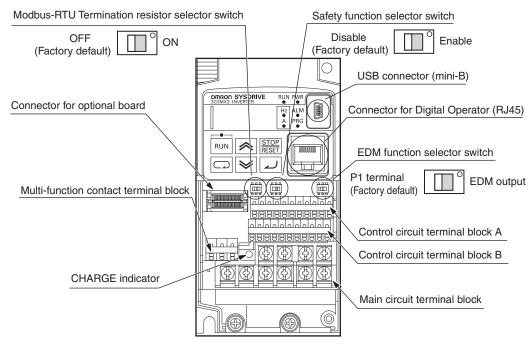
Item		Specification		
Power supply		Supplied from the inverter		
Protective structure		IP20		
Ambient operating temperating	erature	- 10 to 55 °C (no icing or condensation)		
Ambient storage temperature		- 20 to 65 °C(no icing or condensation)		
Ambient operating humidity		0 to 90%RH		
Vibration resistance		5.9m/s ² (0.6G), 10 to 55Hz		
Application environment		At a maximum altitude of 1,000 m; indoors (without corrosive gases or dust)		
Insulation resistance		500VAC (between isolated circuits)		
Weight		Approx. 170g		
	UL/cUL	UL508		
International standard	50 " "	EN61800-3: 2004 (2004/108/EC) Second environment, Category C3		
	EC directive	EN61800-5-1: 2007 (2006/95/EC) SELV		

DeviceNet Communications Specifications

Item	Specification
Certification	DeviceNet Conformance Tested
DeviceNet Profile	AC Drive (0x02)
Supported connections	Remote I/O: Master-Slave connection Poll Bit-Strobe COS Cyclic Explicit Messages Conform to DeviceNet specifications
Communication power supply	11 to 25VDC (MAX 50 mA, type 20 mA)
Unit device address range	MAC ID 0 to 63, set with inverter parameter P192
Baud rates supported	4 Mbps, 3 Mbps, 1.5 Mbps, 93.75 kbps. Automatically detecting baud rate of Master Unit
Default Connection path	Supported, set with inverter parameter P046
Supported Assemblies	Basic Remote IO (Output assembly 20, Input assembly 70) Extended Speed IO (21, 71) Extended Speed and Torque Control (123, 173) Special IO (100, 150) Extended Control IO (101, 151) Extended Control IO and Multi function IO monitor (101, 153) Flexible Format (139, 159) Extended Speed and Acceleration Control (110, 111) In case the DeviceNet master is configured using user allocation, only the input / output pairs can be configured.
EDS file	Depending on the MX2 Inverter model

Components and Functions

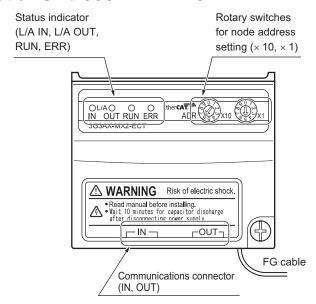
Inverter 3G3MX2



Name	Function		
Modbus-RTU Termination resistor selector switch	Use this Terminal Resistor selector switch for RS-485 terminals on the control circuit terminal block. When this switch is turned ON, the internal 200Ω Resistor is connected.		
Safety function selector switch	Turn this switch ON when using the safety function. Turn OFF the power before turning this switch ON/OFF. For details, refer to USER'S MANUAL (Cat.No.1570).		
EDM function selector switch	Turn this switch ON when using the EDM output of the safety function. Turn OFF the power before turning this switch ON/OFF.For details, refer to USER'S MANUAL (Cat.No.I570).		
USB connector	Use this mini-B USB connector to connect a PC. Even when the Inverter is being operated by a PC, etc., via USB connection, it can still be operated using the Digital Operator.		
Connector for Digital Operator Use this connector to connect the Digital Operator. Use this connector to connect the Digital Operator. Use this connector to mount the optional board. (Communications Units and other options can be connected.) Control circuit terminal blocks A and B These terminal blocks are used to connect various digital/analog input and output signals for inverter control, evaluations.			
		Multi-function contact terminal block	Use this SPDT contact terminal block for relay outputs.
		Main circuit terminal block Use this terminal block to connect an output to the motor and Braking Resistor, etc. Also, use this terminal block to connect the inverter to the main power supply.	
CHARGE indicator (Charge indicator LED)	This LED indicator is lit if the DC voltage of the main circuit (between terminals P/+2 and N/-) remains approx. 45 V or above after the power has been cut off. Before wiring, etc. confirm that the Charge LED indicator is turned OFF.		

Note: This illustration shows the terminal block with the front cover removed.

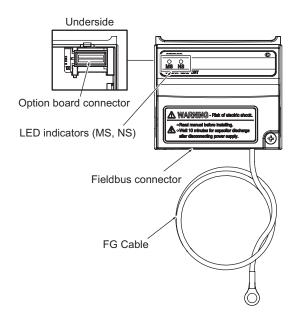
EtherCAT Communication Unit 3G3AX-MX2-ECT



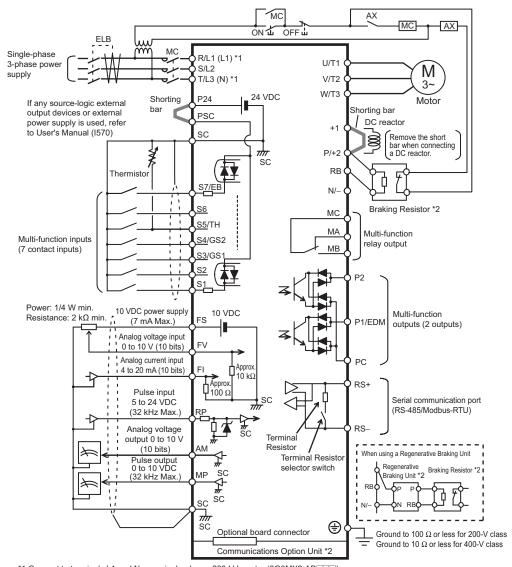
CompoNet Communications Unit 3G3AX-MX2-CRT-E

Option board connector LED indicators (MS, NS) Rectary switches for node address setting (× 10, × 1) WARRING-Read of electron described about the contraction of the disconnecting power receipts.

DeviceNet Communications Unit 3G3AX-MX2-DRT-E



Connection Diagram

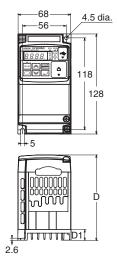


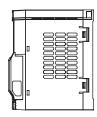
^{*1} Connect to terminals L1 and N on a single-phase, 200-V Inverter (3G3MX2-AB

^{*2} Optional.

Dimensions (Unit: mm)

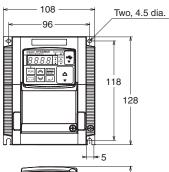
3G3MX2-AB001 3G3MX2-AB002 3G3MX2-AB004 3G3MX2-A2001 3G3MX2-A2002 3G3MX2-A2004 3G3MX2-A2007

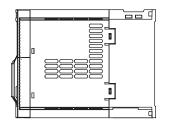




Power supply	Model	W [mm]	H [mm]	D [mm]	D1 [mm]
1-phase 200 V	3G3MX2-AB001 3G3MX2-AB002	!	109 122.9 109	109	13.5
200 V	3G3MX2-AB004			122.5	27
3-phase	3G3MX2-A2001 68 3G3MX2-A2002	68		109	13.5
200 V	3G3MX2-A2004			122.5	27
	3G3MX2-A2007			145.5	50

3G3MX2-AB007 3G3MX2-AB015 3G3MX2-AB022 3G3MX2-A2015 3G3MX2-A2022 3G3MX2-A4004 3G3MX2-A4007 3G3MX2-A4015 3G3MX2-A4022 3G3MX2-A4030

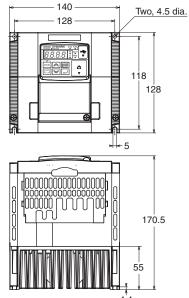


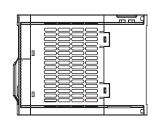


	7 7 3
П	$\neg \neg$
	D1 4.4

Power supply	Model	W [mm]	H [mm]	D [mm]	D1 [mm]
1-phase 200 V	3G3MX2-AB007 3G3MX2-AB015 3G3MX2-AB022	100	128	170.5	55
3-phase 200 V	3G3MX2-A2015 3G3MX2-A2022				
	3G3MX2-A4004	100		143.5	28
3-phase 400 V	3G3MX2-A4007 3G3MX2-A4015 3G3MX2-A4022 3G3MX2-A4030			170.5	55

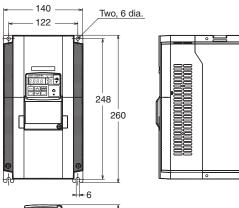
3G3MX2-A2037 3G3MX2-A4040

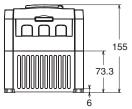




Power supply	Model	W [mm]	H [mm]	D [mm]	D1 [mm]
3-phase 200 V	3G3MX2-A2037	140	128	170.5	55
3-phase 400 V	3G3MX2-A4040	140	120	170.5	33

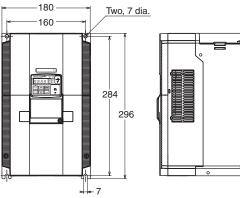


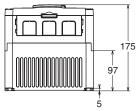




Power supply	Model	W [mm]	H [mm]	D [mm]	D1 [mm]
3-phase 200 V	3G3MX2-A2055 3G3MX2-A2075	140	000	155	70.0
3-phase 400 V	3G3MX2-A4055 3G3MX2-A4075	140	260	155	73.3

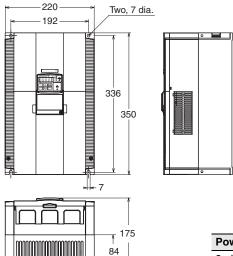
3G3MX2-A2110 3G3MX2-A4110 3G3MX2-A4150





Power supply	Model	W [mm]	H [mm]	D [mm]	D1 [mm]
3-phase 200 V	3G3MX2-A2110	100	296	175	97
3-phase 400 V	3G3MX2-A4110 3G3MX2-A4150	180	290	175	97

3G3MX2-A2150

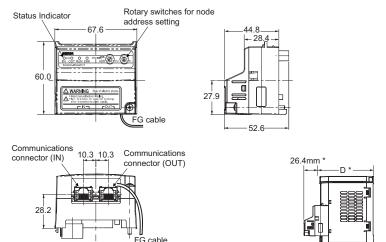


5

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

EtherCAT Communication Unit

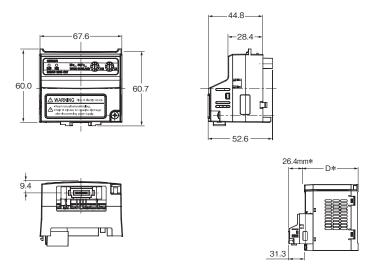
3G3AX-MX2-ECT Status Indicator



^{*}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 USER'S MANUAL (Cat.No.I570))

CompoNet Communication Unit

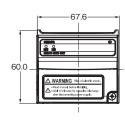
3G3AX-MX2-CRT-E

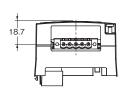


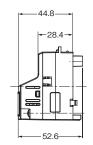
^{*} After the CompoNet Communication Unit is installed, dimension D of the inverter increases by 26.4 mm.
(Dimension D of the inverter varies depending on the capacity. Refer to the MX2-series USER'S MANUAL (Cat.No.I570))

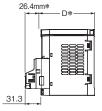
DeviceNet Communication Unit

3G3AX-MX2-DRT-E









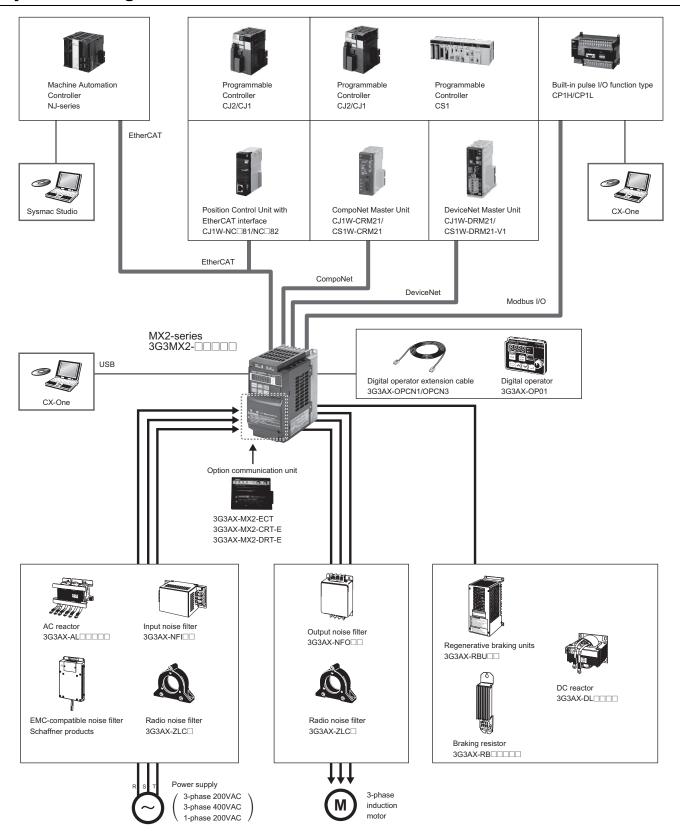
^{*} After the DeviceNet Communication Unit is installed, dimension D of the inverter increases by 26.4 mm. (Dimension D of the inverter varies depending on the capacity. Refer to the MX2-series USER'S MANUAL (Cat.No.I570))

MEMO
WEWO

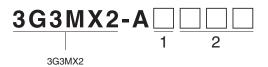
Ordering Information

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System Configuration



Interpreting Model Numbers



1) Voltage class

В	1-phase 200 VAC (200-V class)
2	3-phase 200 VAC (200-V class)
4	3-phase 400 VAC (400-V class)

2) Max. applicable motor capacity (CT)

001	0.1 kW
002	0.2 kW
004	0.4 kW
007	0.75 kW
015	1.5 kW
022	2.2 kW
030	3.0 kW
037	3.7 kW
040	4.0 kW
055	5.5 kW
075	7.5 kW
110	11 kW
150	15 kW

Ordering Information

3G3MX2 Inverter Models

Dated valtage	Englesure retings	Max. applicable	Model	
Rated voltage	Enclosure ratings	CT: Heavy load VT: Light load		
		0.1kW	0.2 kW	3G3MX2-A2001
		0.2 kW	0.4 kW	3G3MX2-A2002
		0.4 kW	0.75 kW	3G3MX2-A2004
		0.75 kW	1.1 kW	3G3MX2-A2007
		1.5 kW	2.2 kW	3G3MX2-A2015
3-phase 200 VAC	IP20	2.2 kW	3.0 kW	3G3MX2-A2022
		3.7 kW	5.5 kW	3G3MX2-A2037
		5.5 kW	7.5 kW	3G3MX2-A2055
		7.5 kW	11 kW	3G3MX2-A2075
		11 kW	15 kW	3G3MX2-A2110
		15 kW	18.5 kW	3G3MX2-A2150
	I Doo	0.4 kW	0.75 kW	3G3MX2-A4004
		0.75 kW	1.5 kW	3G3MX2-A4007
		1.5 kW	2.2 kW	3G3MX2-A4015
		2.2 kW	3.0 kW	3G3MX2-A4022
mhaaa 400 VAO		3.0 kW	4.0 kW	3G3MX2-A4030
-phase 400 VAC	IP20	4.0 kW	5.5 kW	3G3MX2-A4040
		5.5 kW	7.5 kW	3G3MX2-A4055
		7.5 kW	11 kW	3G3MX2-A4075
		11 kW	15 kW	3G3MX2-A4110
		15 kW	18.5 kW	3G3MX2-A4150
		0.1 kW	0.2 kW	3G3MX2-AB001
		0.2 kW	0.4 kW	3G3MX2-AB002
mhaca 200 VAC	IP20	0.4 kW	0.55 kW	3G3MX2-AB004
-phase 200 VAC	IP2U	0.75 kW	1.1 kW	3G3MX2-AB007
		1.5 kW	2.2 kW	3G3MX2-AB015
		2.2 kW	3.0 kW	3G3MX2-AB022

Communication Unit

Name	Model
EtherCAT Communication Unit	3G3AX-MX2-ECT
CompoNet Communication Unit	3G3AX-MX2-CRT-E <u>NEW</u>
DeviceNet Communication Unit	3G3AX-MX2-DRT-E Available soon

Multi-function Compact Inverter 3G3MX2

Related Options

Name		Model	
	3-phase 200 VAC	General purpose with Braking resistor	3G3AX-RBU21
Regenerative Braking Units	3-priase 200 VAC	High Regeneration purpose with Braking resistor	3G3AX-RBU22
	3-phase 400 VAC	General purpose with Braking resistor	3G3AX-RBU41
		Resistor 120 W, 180 Ω	3G3AX-RBA1201
	Compact type	Resistor 120 W, 100 Ω	3G3AX-RBA1202
		Resistor 120 W, 5 Ω	3G3AX-RBA1203
		Resistor 120 W, 35 Ω	3G3AX-RBA1204
	Standard type	Resistor 200 W, 180 Ω	3G3AX-RBB2001
Braking Resistor		Resistor 200 W, 100 Ω	3G3AX-RBB2002
		Resistor 300 W, 50 Ω	3G3AX-RBB3001
		Resistor 400 W, 35 Ω	3G3AX-RBB4001
		Resistor 400 W, 50 Ω	3G3AX-RBC4001
	Medium capacity type	Resistor 600 W, 35 Ω	3G3AX-RBC6001
		Resistor 1200 W, 17 Ω	3G3AX-RBC12001

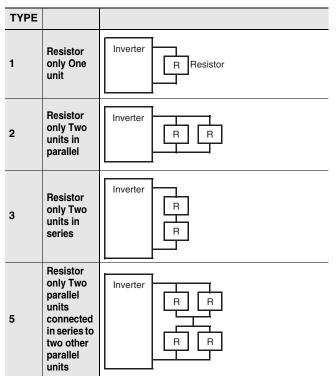
Regenerative Braking Unit and Braking Resistor Combination

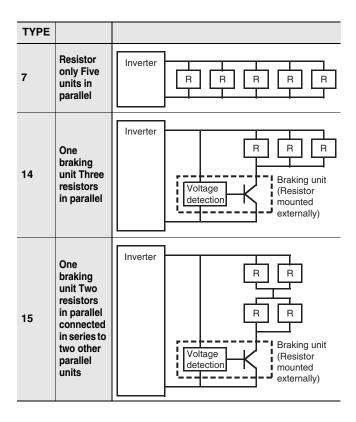
	Inverter		Usage conditions		Regenera braking u		Braking resi	stor	or	Restrictions	
Voltage	Max.applicable motor capacity (kW)	Model	%ED *1 [%]	Approximate braking torque [% *2]	Model	Number of units	Model	Number of units	Connection configuration	Allowable continuous braking time(s)	$\begin{array}{c} \text{Min.} \\ \text{connectable} \\ \text{resistance} \\ [\Omega] \end{array}$
	0.1	3G3MX2-A2001	3.0%	220%	Built-in Inverter		3G3AX-RBA1201	1	1	20	100
	0.1	3G3MX2-AB001	10.0%	220%	Dulli-III IIIVertei		3G3AX-RBB2001	1	1	30	100
	0.2	3G3MX2-A2002	3.0%	220%	Built-in Inverter		3G3AX-RBA1201	1	1	20	100
	0.2	3G3MX2-AB002	10.0%	220%	Dulli-III IIIVertei		3G3AX-RBB2001	1	1	30	100
	0.4	3G3MX2-A2004	3.0%	220%	Built-in Inverter		3G3AX-RBA1201	1	1	20	100
	0.4	3G3MX2-AB004	10.0%	220%	built-iii iiiveitei		3G3AX-RBB2001	1	1	30	100
	0.75	3G3MX2-A2007	3.0%	120%	Built-in Inverter		3G3AX-RBA1201	1	1	20	50
	0.75	3G3MX2-AB007	10.0%	120%			3G3AX-RBB2001	1	1	30	50
	1.5	3G3MX2-A2015	2.5%	110%	Built-in Inverter		3G3AX-RBA1202	1	1	12	50
	1.5	3G3MX2-AB015	10.0%	215%	Dulit-III IIIVerter		3G3AX-RBC4001	1	1	10	50
	2.2	3G3MX2-A2022	3.0%	150%	Built-in Inverter		3G3AX-RBB3001	1	1	30	35
200-V Class	2.2	3G3MX2-AB022	10.0%	150%	Dulli-III IIIVertei		3G3AX-RBC4001	1	1	10	35
	3.7	3G3MX2-A2037	3.0%	125%	Built-in Inverter		3G3AX-RBB4001	1	1	20	35
	3.7	3G3WAZ-A2037	10.0%	125%	Dulli-III IIIVertei		3G3AX-RBC6001	1	1	10	35
	5.5	3G3MX2-A2055	3.0%	120%	Built-in Inverter		3G3AX-RBB3001	2	2	30	20
	5.5	3G3WAZ-A2033	10.0%	120%	Dulli-III IIIVertei		3G3AX-RBC4001	2	2	10	20
	7.5	3G3MX2-A2075	3.0%	125%	Built-in Inverter		3G3AX-RBB4001	2	2	20	17
	7.5	7.5 3G3WAZ-A2075	10.0%	125%	Dulli-III IIIVertei		3G3AX-RBC6001	2	2	10	17
			3.0%		Built-in Inverter		3G3AX-RBC12001	1	1	10	17
	11	3G3MX2-A2110	10.0%	90%	Dulli-III IIIVerter		3G3AX-RBC12001	1	1	10	17
			10.0%	125%	3G3AX-RBU23	1	3G3AX-RBC6001	3	14	10	4
	15	3G3MX2-A2150	3.0%	110%	Built-in Inverter		3G3AX-RBB3001	5	7	30	10
	15	3G3WIAZ-AZ 13U	10.0%	110%	Duilt-III IIIVeilef		3G3AX-RBC4001	5	7	10	10

	Inverter		Usage conditions			Regenerative braking unit		istor		Restrictions	
Voltage	Max.applicable motor capacity (kW)	Model	%ED *1 [%]	Approximate braking torque [% *2]	Model	Number of units	Model	Number of units	Connection configuration	Allowable continuous braking time(s)	$\begin{array}{c} \text{Min.} \\ \text{connectable} \\ \text{resistance} \\ [\Omega] \end{array}$
	0.4	3G3MX2-A4004	3.0%	220%	Built-in Inverter		3G3AX-RBA1201	2	3	20	180
	0.4	3G3WA2-A4004	10.0%	220%	built-in inverter		3G3AX-RBB2001	2	3	30	180
	0.75	3G3MX2-A4007	3.0%	220%	Built-in Inverter		3G3AX-RBA1201	2	3	20	180
	0.75	3G3WA2-A4007	10.0%	220%	Built-iii iiivertei		3G3AX-RBB2001	2	3	30	180
	1.5	3G3MX2-A4015	3.0%	120%	Built-in Inverter		3G3AX-RBA1201	2	3	20	180
	1.5	3G3WA2-A4015	10.0%	120%	Built-iii iiivertei		3G3AX-RBB2001	2	3	30	180
	2.2	3G3MX2-A4022	2.5%	150%	Built-in Inverter		3G3AX-RBA1202	2	3	12	100
	2.2	3G3WA2-A4U22	10.0%	220%			3G3AX-RBC4001	2	3	10	100
	3.0	3G3MX2-A4030	2.5%	110%	Built-in Inverter		3G3AX-RBA1202	2	3	12	100
	3.0	3G3WA2-A4030	10.0%	215%	Built-iii iiivertei		3G3AX-RBC4001	2	3	10	100
400-V	4.0	3G3MX2-A4040	3.0%	165%	Built-in Inverter		3G3AX-RBB3001	2	3	30	100
Class	4.0	3G3WA2-A4040	10.0%	165%	Built-iii iiivertei		3G3AX-RBC4001	2	3	10	100
	5.5	3G3MX2-A4055	3.0%	120%	Built-in Inverter		3G3AX-RBB3001	2	3	30	70
	5.5	3G3WA2-A4U33	10.0%	120%	built-in inverter		3G3AX-RBC4001	2	3	10	70
	7.5	3G3MX2-A4075	3.0%	125%	Built-in Inverter		3G3AX-RBB4001	2	3	20	70
	7.5	3G3WA2-A4U75	10.0%	125%	built-in inverter		3G3AX-RBC6001	2	3	10	70
			3.0%	85%	Built-in Inverter		3G3AX-RBB4001	2	3	20	70
	11	3G3MX2-A4110	10.0%	85%	built-in inverter		3G3AX-RBC6001	2	3	10	70
		SSSWE TITTO	10.0%	120%	3G3AX-RBU41 *3	1	3G3AX-RBC4001	4	15	10	34
	15	3G3MX2-A4150	3.0%	125%	Built-in Inverter		3G3AX-RBB4001	4	5	20	35
	15	3G3NIAZ-A415U	10.0%	125%	Duill-III IIIverter		3G3AX-RBC6001	4	5	10	35

^{*1 %}ED shows the ratio that can be used for braking (deceleration time) among operating time of one task period.

Connection configuration





^{*2} Approximate breaking torque is shown in % of rating torque of the motor (100%).

^{*3} Please remove the built-in resistor.

Name		Specifications of Inverter		Model	
Name	Voltage class	CT: Heavy load	VT: Light load	Model	
		0.1 kW	0.2 kW		
		0.2 kW	0.4 kW		
		0.4 kW	0.75 kW	20217 2012	
		0.75 kW	1.1 kW	3G3AX-ZCL2	
		1.5 kW	2.2 kW		
	3-phase 200 VAC	2.2 kW	3.0 kW		
	,	3.7 kW	5.5 kW		
		5.5 kW	7.5 kW	3G3AX-ZCL1 (3G3AX-ZCL2)	
		7.5 kW	11 kW	GOOK EOL! (GOOK EO!	
		11 kW	15 kW	3G3AX-ZCL1	
		15 kW	18.5 kW	- OGOAN ZOLI	
		0.1 kW	0.2 kW		
Dadia Natas Elles		0.2 kW	0.4 kW		
Radio Noise Filter	1-phase 200 VAC	0.4 kW	0.55 kW	3G3AX-ZCL2	
		0.75 kW	1.1 kW		
		1.5 kW	2.2 kW		
		2.2 kW	3.0 kW		
		0.4 kW	0.75 kW		
		0.75 kW	1.5 kW		
		1.5 kW	2.2 kW		
		2.2 kW	3.0 kW	3G3AX-ZCL2 (3G3AX-ZCL1)	
	3-phase 400 VAC	3.0 kW	4.0 kW		
		4.0 kW	5.5 kW		
		5.5 kW	7.5 kW		
		7.5 kW	11 kW		
		11 kW	15 kW	3G3AX-ZCL1	
		15 kW	18.5 kW		
		0.1 kW	0.2 kW		
		0.2 kW	0.4 kW	3G3AX-NFI21	
		0.4 kW	0.75 kW		
		0.75 kW	1.1 kW	3G3AX-NFI22	
		1.5 kW	2.2 kW	00075(111122	
	3-phase 200 VAC	2.2 kW	3.0 kW	3G3AX-NFI23	
	0 phase 200 VAO	3.7 kW	5.5 kW	3G3AX-NFI24	
		5.5 kW	7.5 kW	3G3AX-NFI25	
		7.5 kW	11 kW	3G3AX-NFI26	
		11 kW	15 kW	3G3AX-NFI27	
		15 kW	18.5 kW	3G3AX-NFI28	
		0.1 kW	0.2 kW	3G3AX-NFI21	
		0.2 kW	0.4 kW		
Input Noise Filter	1-phase 200 VAC	0.4 kW	0.55 kW	3G3AX-NFI22	
	. p	0.75 kW	1.1 kW	3G3AX-NFI23	
		1.5 kW	2.2 kW	3G3AX-NFI23 *	
		2.2 kW	3.0 kW	3G3AX-NFI24	
		0.4 kW	0.75 kW		
		0.75 kW	1.5 kW	3G3AX-NFI41	
		1.5 kW	2.2 kW		
		2.2 kW	3.0 kW		
		3.0 kW	4.0 kW	3G3AX-NFI42	
	3-phase 400 VAC	4.0 kW	5.5 kW		
		5.5 kW	7.5 kW	3G3AX-NFI43	
		7.5 kW	11 kW	3G3AX-NFI44	
		7.5 KW	15 kW	3G3AX-NFI45	
		11 1/1//			

 $^{^{\}star}\,$ Only the CT rating is supported.

Nama		Madel				
Name	Voltage class	CT: Heavy load	VT: Light load	Model		
		0.1 kW	0.2 kW			
		0.2 kW	0.4 kW			
		0.4 kW	0.75 kW			
		0.75 kW	1.1 kW			
		1.5 kW	2.2 kW			
	3-phase 200 VAC	2.2 kW	3.0 kW			
	- p	3.7 kW	5.5 kW			
		5.5 kW	7.5 kW			
		7.5 kW	11 kW			
		11 kW	15 kW			
		15 kW	18.5 kW			
		0.1 kW	0.2 kW			
		0.2 kW	0.4 kW			
EMC-compatible Noise Filter		0.4 kW	0.55 kW	Schaffner product will be		
EMC-compatible Noise Filter	1-phase 200 VAC	0.4 kW	1.1 kW	supported in future.		
		1.5 kW	2.2 kW			
		2.2 kW	3.0 kW			
		0.4 kW	0.75 kW			
		0.75 kW	1.5 kW			
		1.5 kW	2.2 kW			
	3-phase 400 VAC	2.2 kW	3.0 kW			
		3.0 kW	4.0 kW			
		4.0 kW	5.5 kW			
		5.5 kW	7.5 kW			
		7.5 kW	11 kW			
		11 kW	15 kW			
		15 kW	18.5 kW			
		0.1 kW	0.2 kW			
		0.2 kW	0.4 kW	3G3AX-NFO01		
		0.4 kW	0.75 kW			
		0.75 kW	1.1 kW	OCCAY NECOC		
		1.5 kW	2.2 kW	3G3AX-NFO02		
	3-phase 200 VAC	2.2 kW	3.0 kW	OCCAY NECCO		
		3.7 kW	5.5 kW	3G3AX-NFO03		
		5.5 kW	7.5 kW			
		7.5 kW	11 kW	3G3AX-NFO04		
		11 kW	15 kW	3G3AX-NFO05		
		15 kW	18.5 kW	3G3AX-NFO06		
		0.1 kW	0.2 kW			
		0.2 kW	0.4 kW	3G3AX-NFO01		
Output Noise Filter		0.4 kW	0.55 kW			
	1-phase 200 VAC	0.75 kW	1.1 kW	3G3AX-NFO02		
		1.5 kW	2.2 kW			
		2.2 kW	3.0 kW	3G3AX-NFO03		
		0.4 kW	0.75 kW			
		0.75 kW	1.5 kW	3G3AX-NFO01		
		1.5 kW	2.2 kW			
				3G3AY_NEO03		
		2.2 kW	3.0 kW	3G3AX-NFO02		
	3-phase 400 VAC	3.0 kW	4.0 kW			
		4.0 kW	5.5 kW	20047 ::=222		
		5.5 kW	7.5 kW	3G3AX-NFO03		
		7.5 kW	11 kW			
		11 kW	15 kW	3G3AX-NFO04		
		15 kW	18.5 kW			

Name		Model		
ivairie	Voltage class	CT: Heavy load	VT: Light load	iviodei
		0.1 kW	0.2 kW	3G3AX-DL2002
		0.2 kW	0.4 kW	3G3AX-DL2004
		0.4 kW	0.75 kW	3G3AX-DL2007
		0.75 kW	1.1 kW	3G3AX-DL2015
		1.5 kW	2.2 kW	3G3AX-DL2022
	3-phase 200 VAC	2.2 kW	3.0 kW	3G3AX-DL2037
		3.7 kW	5.5 kW	3G3AX-DL2055
		5.5 kW	7.5 kW	3G3AX-DL2075
		7.5 kW	11 kW	3G3AX-DL2110
		11 kW	15 kW	3G3AX-DL2150
		15 kW	18.5 kW	3G3AX-DL2220
		0.1 kW	0.2 kW	3G3AX-DL2002
		0.2 kW	0.4 kW	3G3AX-DL2004
C Reactor	1-phase 200 VAC	0.4 kW	0.55 kW	3G3AX-DL2007
	, = • · · · · ·	0.75 kW	1.1 kW	3G3AX-DL2015
		1.5 kW	2.2 kW	3G3AX-DL2022
		2.2 kW	3.0 kW	3G3AX-DL2037
		0.4 kW	0.75 kW	3G3AX-DL4007
		0.75 kW	1.5 kW	3G3AX-DL4015 *
		1.5 kW	2.2 kW	3G3AX-DL4022
		2.2 kW	3.0 kW	3G3AX-DL4037
	3-phase 400 VAC	3.0 kW	4.0 kW	
	·	4.0 kW	5.5 kW	3G3AX-DL4055
		5.5 kW	7.5 kW	3G3AX-DL4075 *
		7.5 kW	11 kW	3G3AX-DL4110 *
		11 kW	15 kW	3G3AX-DL4150
		15 kW	18.5 kW	3G3AX-DL4220
		0.1 kW	0.2 kW	
		0.2 kW	0.4 kW	3G3AX-AL2025
		0.4 kW	0.75 kW	
		0.75 kW	1.1 kW	
	0 1 000 1/40	1.5 kW	2.2 kW	3G3AX-AL2055
	3-phase 200 VAC	2.2 kW	3.0 kW	00047 410440
		3.7 kW	5.5 kW	3G3AX-AL2110
		5.5 kW	7.5 kW	3G3AX-AL2110 *
		7.5 kW	11 kW	3G3AX-AL2220 3G3AX-AL2220 *
		11 kW 15 kW	15 kW 18.5 kW	
				3G3AX-AL2330
		0.1 kW	0.2 kW	
C Reactor		0.2 kW 0.4 kW	0.4 kW 0.55 kW	3G3AX-AL2025
O NEGULUI	1-phase 200 VAC	0.4 kW	1.1 kW	
				3G3AX-AL2055 *
		1.5 kW 2.2 kW	2.2 kW 3.0 kW	3G3AX-AL2055 ** 3G3AX-AL2110
		2.2 KW 0.4 kW	0.75 kW	JUJAA-ALZ I IU
		0.4 kW	1.5 kW	3G3AX-AL4025
		1.5 kW	2.2 kW	
		2.2 kW	3.0 kW	3G3AX-AL4055
		2.2 KW	4.0 kW	JGJAA-AL4033
	3-phase 400 VAC	3.0 kW 4.0 kW	5.5 kW	3G3AX-AL4110
		5.5 kW	7.5 kW	3G3AX-AL4110 *
			7.5 KW	3G3AX-AL4110
		7.5 kW		
		11 kW	15 kW	3G3AX-AL4220 *

* Only the CT rating is supported.

Note: When using the Inverter for light load rating, select the model with one size larger capacity (rated current).

External Digital Operator

Name	Cable length(m)	Model
Digital Operator	-	3G3AX-OP01
Connection coble	1m	3G3AX-OPCN1
Connection cable	3m	3G3AX-OPCN3

Recommended EtherCAT Communications Cables

Category 5 or higher (100BASE-TX) straight cable with double shielding (aluminum tape and braided shielding) is recommended.

Cabel with Connectors

Wire Gauge and Number of Pairs: AWG22, 2-pair Cable

Item	Appearance	Recommended manufacturer	Cable length(m)	Model
			0.3	XS5W-T421-AMD-K
			0.5	XS5W-T421-BMD-K
Cable with Connectors on Both Ends	1	OMBON	1	XS5W-T421-CMD-K
(RJ45/RJ45)	***	OMRON	2	XS5W-T421-DMD-K
			5	XS5W-T421-GMD-K
			10	XS5W-T421-JMD-K
	0	OMRON	0.3	XS5W-T421-AMC-K
			0.5	XS5W-T421-BMC-K
Cable with Connectors on Both Ends			1	XS5W-T421-CMC-K
(M12/RJ45)			2	XS5W-T421-DMC-K
			5	XS5W-T421-GMC-K
			10	XS5W-T421-JMC-K

Note: The cable length 0.3, 0.5, 1, 2, 3, 5, 10 and 15m are available. For details, refer to Cat.No.G019.

Cables / Connectors

Wire Gauge and Number of Pairs: AWG24, 4-pair Cable

Item	Appearance	Recommended manufacturer	Model
	-	Tonichi Kyosan Cable, Ltd.	NETSTAR-C5E SAB 0.5 x 4P *
Cables	_	Kuramo Electric Co.	KETH-SB *
	_	SWCC Showa Cable Systems Co.	FAE-5004 *
RJ45 Connectors	-	Panduit Corporation	MPS588 *

^{*} We recommend you to use above cable and connector together.

Wire Gauge and Number of Pairs: AWG22, 2-pair Cable

Item	Appearance	Recommended manufacturer	Model
Cables	-	Kuramo Electric Co.	KETH-PSB-OMR *
RJ45 Assembly Connector	U0.000	OMRON	XS6G-T421-1 *

 $^{^{\}star}\,$ We recommend you to use above cable and connector together.

Note: Connect both ends of cable shielded wires to the connector hoods.

Software

How to Select Required Support Software for Your Controller

The required Support Software depends on the Controller to connect. Please check the following table when purchasing the Support Software.

Item	Omron PLC System	Omron Machine Automation Controller System		
Controller	CS, CJ, CP, and other series	NJ-series		
Inverter	Inverter MX2-series Inverter MX2-series with CompoNet Communication Unit Inverter MX2-series with DeviceNet Communication Unit	Inverter MX2-series with EtherCAT Communication Unit		
Software	FA Integrated Tool Package CX-One	Automation Software Sysmac Studio		

FA Integrated Tool Package CX-One

Product name	Specifications	Number of licenses	Media	Model	Standards
FA Integrated Tool Package CX-One Ver. 4.□	The CX-One is a comprehensive software package that integrates Support Software for OMRON PLCs and components. CX-One runs on following OS. OS: Windows XP (Service Pack 3 or higher), Vista or 7 Note: Except for Windows XP 64-bit version. CX-One Version.4. includes CX-Drive Ver.2. For details, refer to the CX-One catalog (Cat. No. R134)	1 license *1	DVD *2	CXONE-AL01D-V4	-

^{*1} Multi licenses are available for the CX-One (3, 10, 30, or 50 licenses).

Automation Software Sysmac Studio

Please purchase a DVD and required number of licenses the first time you purchase the Sysmac Studio. DVDs and licenses are available individually. Each model of licenses does not include any DVD.

	Specifications				
Product name		Number of licenses	Media	Model	Standards
Sysmac Studio	The Sysmac Studio provides an integrated development environment to set up, program, debug, and maintain NJ-series Controllers and other Machine Automation Controllers, as well as EtherCAT slaves. Sysmac Studio runs on the following OS. Windows XP (Service Pack 3 or higher, 32-bit version)/ Vista (32-bit version) / 7 (32-bit/64-bit version)	- (Media only)	DVD	SYSMAC-SE200D	-
Standard Edition Ver.1.□□	The Sysmac Studio Standard Edition DVD includes Support Software to set up EtherNet/IP Units, DeviceNet slaves, Serial Communications Units, and Support Software for creating screens on HMIs (CX-Designer). For details, refer to the Sysmac Integrated Catalogue (P072).	*	-	SYSMAC-SE201L	-

^{*} Multi licenses are available for the Sysmac Studio (3, 10, 30, or 50 licenses).

Related Manuals

Man. No.	Model	Manual
1570	3G3MX2	Multi-function Compact Inverter MX2-series USER'S MANUAL
1574	3G3AX-MX2-ECT	EtherCAT Communication Unit USER'S MANUAL
I581	3G3AX-MX2-DRT-E *	MX2 series DeviceNet Communication Unit USER'S MANUAL
1582	3G3AX-MX2-CRT-E	MX2 series CompoNet Communication Unit USER'S MANUAL
W487	CJ1W-NC□81/CJ1W-NC□82	CJ-series Position Control Unit Operation Manual
W463	CXONE-AL C/D-V	CX-One FA Integrated Tool Package Setup Manual
W446	CXONE-AL C-V -AL D-V	CX-Programmer Operation Manual
W453	CXONE-AL C/D-V /WS02-DRVC01	CX-Drive OPERATION MANUAL
W504	SYSMAC-SE2	Sysmac Studio Version 1 Operation Manual

^{*} MX2-series DeviceNet communication unit is available soon.

^{*2} The CX-One is also available on CD (CXONE-AL□□C-V4).

Read and Understand this Catalog

Please read and understand this catalog before purchasing the product. Please consult your OMRON representative if you have any questions or comments.

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