

INDUSTRIAL COMPONENT DATA

3G3MX2-A4055-E 3G3M9308B 3G3MX2A4055ECHN OMRON
MX2 three-Phase, 380-480VAC, 5.5/7.5 KW, 14.8/17.5
A(HD/ND), ..

Brand: OMRON | Manufacturer Part Number: 3G3MX2-A4055-E



Manufacturer	OMRON
MPN / Reference	3G3MX2-A4055-E
Catalog number	3G3MX2A4055ECHN
Category	Frequency converter less than 1 kV
Minimum order	1 unit
Document ID	EO-9948D377D0
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Product Overview

MX2 three-Phase, 380-480VAC, 5.5/7.5 KW, 14.8/17.5 A(HD/ND), vector

MX inverter drive, 5.5/7.5 kW (HD/ND), 14.8/17.5 A (HD/ND), 400 VAC, 3~, sensorless vector, max. output freq. 580Hz

STRUCTURED PRODUCT DATA

Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
Mains frequency (EF006783)	50/60 Hz
Type of converter (EF006978)	Other
Degree of protection (NEMA) (EF011959)	Other
Degree of protection (IP) (EF005474)	IP20
Number of phases input (EF007117)	3
Number of phases output (EF006998)	3
With PC connection (EF006107)	Yes
Supporting protocol for PROFI-safe (EF007526)	No
Supporting protocol for PROFIBUS (EF003052)	Yes
Supporting protocol for DeviceNet Safety (EF007520)	No
Supporting protocol for TCP/IP (EF003050)	Yes
Supporting protocol for BACnet (EF011944)	No
Supporting protocol for other bus systems (EF003062)	Yes
Supporting protocol for Foundation Fieldbus (EF007522)	No

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Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
Application in domestic- and commercial area permitted (EF007295)	No
4-quadrant operation possible (EF006803)	Yes
Supporting protocol for SafetyBUS p (EF007527)	No
Supporting protocol for SERCOS (EF006657)	No
With control element (EF001538)	Yes
Supporting protocol for Modbus (EF003057)	Yes
Supporting protocol for KNX (EF003055)	No
Application in industrial area permitted (EF007294)	Yes
Supporting protocol for PROFINET CBA (EF007524)	No
Supporting protocol for LON (EF003017)	No
Supporting protocol for SUCONET (EF003060)	No
With optical interface (EF003028)	No
Supporting protocol for EtherNet/IP (EF007521)	Yes
Supporting protocol for CAN (EF003053)	Yes
Supporting protocol for AS-Interface Safety at Work (EF007519)	No
Supporting protocol for INTERBUS (EF003054)	No
Supporting protocol for Data-Highway (EF003058)	No
Supporting protocol for PROFINET IO (EF007525)	No
Supporting protocol for ASI (EF003051)	No
Supporting protocol for DeviceNet (EF003059)	Yes
Supporting protocol for INTERBUS-Safety (EF006662)	No
Integrated breaking resistance (EF007293)	Yes
Max. output frequency (EF007350)	580 Hz
Number of HW-interfaces other (EF003027)	1
Number of HW-interfaces parallel (EF003026)	0
Number of interfaces PROFINET (EF006932)	0
Number of HW-interfaces industrial Ethernet (EF003020)	0
Max. output at linear load at rated output voltage (EF007364)	5.5 kW
Relative symmetric net voltage tolerance (EF007453)	10 %
Number of HW-interfaces USB (EF003025)	1
Width (EF000008)	140 mm
Number of HW-interfaces RS-232 (EF003021)	0
Number of HW-interfaces RS-422 (EF003022)	0

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Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
Max. output at quadratic load at rated output voltage (EF007366)	7.5 kW
Number of HW-interfaces RS-485 (EF003023)	1
Nominal output current I _{2N} (EF009561)	17.5 A
Number of HW-interfaces serial TTY (EF003024)	0
Height (EF000040)	260 mm
Max. output voltage (EF009560)	480 V
Depth (EF000049)	155 mm
Relative symmetric net frequency tolerance (EF007454)	5 %
Mains voltage (EF006780)	380 V

Classification & Catalog Path

Catalog path	OMRON > Frequency inverters > MX2
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Additional Product Information

Specifications

Inverter control method Open loop V/f, Open loop vector

Drive supply voltage 400 V three phase

Max. motor output at constant torque (HD) 5.5 kW

Max. motor output at variable torque (ND) 7.5 kW

Built in EMC filter

Degree of protection (IP) IP20

Finless type

Compatible motor type Induction or asynchronous motor, Permanent magnet motor

Regenerative solutions As inverter option

Communication port(s) MODBUS Slave, Serial RS-485, USB

Communication option(s) CompoNet Slave, DeviceNet Slave, EtherCAT Slave, EtherNet/IP, MECHATROLINK II Slave, PROFIBUS DP Slave

Height 260 mm

Width 140 mm

Depth 155 mm

Weight 3500 g

Accessories

3G3AX-MX2-DRT-E DeviceNet option card for MX2 inverter

3G3AX-MX2-ECT MX2 EtherCAT option card

3G3AX-MX2-EIO15-E Extra I/O option board, 1 analog voltage input, 1 analog current input, 1 analog voltage output, 8 discrete logic inputs, 4 discrete logic outputs

3G3AX-MX2-PRT-E MX2 option card, PROFIBUS DP

3G3AX-OP01 LED remote operator panel, cable length max. 3m

3G3AX-OP05 5 line LCD digital operator with copy function

3G3AX-OP05-H-E 3G3 RX option, holder f...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / 3G3MX2-A4055-E with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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