

INDUSTRIAL COMPONENT DATA

3G3MX2-AB022-E 3G3M9322H 3G3MX2AB022ECHN OMRON
MX2 single-Phase, 200-240VAC, 2.2/3.0 KW, 11.0/12.0
A(HD/ND),..

Brand: OMRON | Manufacturer Part Number: 3G3MX2-AB022-E



Manufacturer	OMRON
MPN / Reference	3G3MX2-AB022-E
Catalog number	3G3MX2AB022ECHN
Category	Frequency converter less than 1 kV
Minimum order	1 unit
Document ID	EO-CF38A41FE2
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Product Overview

MX2 single-Phase, 200-240VAC, 2.2/3.0 KW, 11.0/12.0 A(HD/ND), vector

MX inverter drive, 2.2/3.0 kW (HD/ND), 11.0/12.0 A (HD/ND), 200 VAC, 1~ input, 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)	1
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

CONTINUED

Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
Supporting protocol for Foundation Fieldbus (EF007522)	No
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)	2.2 kW
Relative symmetric net voltage tolerance (EF007453)	10 %
Number of HW-interfaces USB (EF003025)	1
Width (EF000008)	108 mm
Number of HW-interfaces RS-232 (EF003021)	0

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Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
Number of HW-interfaces RS-422 (EF003022)	0
Max. output at quadratic load at rated output voltage (EF007366)	3 kW
Number of HW-interfaces RS-485 (EF003023)	1
Nominal output current I _{2N} (EF009561)	12 A
Number of HW-interfaces serial TTY (EF003024)	0
Height (EF000040)	128 mm
Max. output voltage (EF009560)	240 V
Depth (EF000049)	170.5 mm
Relative symmetric net frequency tolerance (EF007454)	5 %
Mains voltage (EF006780)	200 V

Classification & Catalog Path

Catalog path	OMRON > Frequency inverters > MX2
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Additional Product Information

Drive control methodOpen loop V/f, Open loop vectorDrive supply voltage230 V single phaseMax. motor output at constant torque2.2 kWMax. motor output at variable torque3 kWBuilt in EMC filterDegree of protection (IP)IP20Finless typeCompatible motor typeInduction or asynchronous motor, Permanent magnet motorRegenerative solutionsAs inverter optionCommunication port(s)MODBUS Slave, Serial RS-485, USBCommunication option(s)CompoNet Slave, DeviceNet Slave, EtherCAT Slave, EtherNet/IP, MECHATROLINK II Slave, PROFIBUS DP SlaveProduct Height (unpacked)128 mmProduct Width (unpacked)108 mmProduct Depth (unpacked)170.5 mmProduct Weight (unpacked)1800 g
 ETIM for 379097 Low-voltage industrial controls and switchgear (EC001857)

Feature Name

Feature 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)

1

Number of phases output (EF006998)

3

With PC connection (EF006107)

Yes

Supporting protocol for PROFIsafe (EF007526)

No

Supporting protocol for PROFIBUS (E...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / 3G3MX2-AB022-E with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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