3G3MX2-A4040-ZV1

Industrial automation components

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Manufacturer	Omron
Catalog number	3g3mx2-a4040-zv1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Voltage Class	Three-phase 400 V AC
Applicable Motor Capacity	4.0 kW (Normal Load)
Rated Output Capacity	6.0 kVA at 380 V, 7.6 kVA at 480 V
Control Method	Phase-to-phase sinusoidal modulation PWM
Output Frequency Range	0.01 to 590 Hz
Protective Functions	Overcurrent, Overvoltage, Undervoltage, Electronic Thermal Protection, Temperature Error, Ground Fault at Power-On, Inrush Current Protection Circuit, Overload Limit, Incoming Overvoltage, External Trip, Memory Error, CPU Error, USP Error, Communication E

Description

The Omron 3G3MX2-A4040-ZV1 is a Multi-Function Compact Inverter from the MX2 Series, designed for industrial automation applications requiring precise motor control. This inverter operates on a three-phase 400 V AC supply and is suitable for motors with a normal load capacity of 4.0 kW. It offers a rated output capacity of 6.0 kVA at 380 V and 7.6 kVA at 480 V, ensuring efficient power conversion. The device features a phase-to-phase sinusoidal modulation PWM control method, providing smooth and reliable motor operation. With an output frequency range from 0.01 to 590 Hz, it accommodates a wide range of motor speeds. The inverter includes multiple protective functions, such as overcurrent, overvoltage, undervoltage, electronic thermal protection, and more, ensuring safe and reliable operation in various industrial environments.

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

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