3G3MX2-A4075-ZV1

Industrial automation components

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Manufacturer	Omron
Catalog number	3g3mx2-a4075-zv1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Multi-Function Compact Inverter
Brand	Omron
Part Number	3G3MX2-A4075-ZV1
Max Motor Output (Constant Torque)	7.5 kW
Max Motor Output (Variable Torque)	11 kW
Input Voltage	400 V
Input Phase	Three-phase
Control Method	Open-loop vector control
Communication Ports	MODBUS Slave, Serial RS-485, USB
Dimensions	140 x 260 x 158 mm
Protection Rating	IP20

Description

The Omron 3G3MX2-A4075-ZV1 is a multi-function compact inverter from the MX2 series, designed to provide efficient and versatile motor control solutions for industrial applications. This inverter is capable of handling a maximum motor output of 7.5 kW at constant torque and up to 11 kW at variable torque, making it suitable for a wide range of machinery and processes. It operates on a 400 V three-phase input, ensuring compatibility with standard industrial power supplies. The device features an open-loop vector control method, offering precise and reliable motor performance.

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Additionally, the 3G3MX2-A4075-ZV1 includes built-in communication ports such as MODBUS Slave, Serial RS-485, and USB, facilitating seamless integration into various automation systems. Its compact design, with dimensions of 140 mm in width, 260 mm in height, and 158 mm in depth, allows for flexible installation in space-constrained environments. The inverter's IP20 protection rating indicates suitability for indoor use, providing adequate protection against solid objects larger than 12 mm but not against water ingress. This model is ideal for applications requiring robust and adaptable motor control solutions, such as conveyors, pumps, and other machinery in industrial settings.