FCU8-DX230

Industrial automation components

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Manufacturer	Mitsubishi
Catalog number	fcu8-dx230
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Remote I/O Unit
Digital Inputs	64 points
Digital Outputs	48 points
Operating Temperature Range	0 to 58 °C
Operating Humidity Range	10 to 75 % RH
Vibration Resistance	4.9 m/s²
Shock Resistance	29.4 m/s²
Power Supply Voltage	24 V DC
Current Consumption	3.5 A
Dimensions	40×175×133 mm
Mass	0.4 kg

Description

The Mitsubishi FCU8-DX230 is a remote I/O unit designed for integration with Mitsubishi Electric's M800/M80/E80/C80 series CNC systems. This module enhances control capabilities by providing additional input and output channels, facilitating efficient data communication and process automation in various industrial environments.

Key features include 64 digital inputs operating at 24V DC and 48 digital outputs, offering a total of 112 I/O points. The unit operates within an ambient temperature range of 0 to 58°C and a humidity range of 10 to 75% RH (with no dew condensation).

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It is designed to withstand vibrations up to 4.9 m/s² and shocks up to 29.4 m/s². The FCU8-DX230 requires a 24V DC power supply and has a current consumption of 3.5A, including the maximum value of DO external load current (3.2A).

Its compact dimensions are 40×175×133 mm, with a mass of 0.4 kg. This module is ideal for applications in factory automation, CNC machinery, and production lines, where reliable and efficient control of multiple I/O points is essential.