Installation Instructions

Original Instructions

Kinetix 3 Component Servo Drives

Catalog Numbers 2071-AP0, 2071-AP1, 2071-AP2, 2071-AP4, 2071-AP8, 2071-A10, 2071-A15

Summary of Changes

This publication contains new and updated information as indicated in the following table.

Topic	Page
Added an important statement to step 2 of the Mount the Kinetix 3 Drive procedure.	4
Updated the first paragraph under Fuse/Contactor Specifications	18

About the Kinetix 3 Drives

Kinetix® 3 component servo drives provide simple solutions for applications with output power requirements in the range of 50...1500 W (0.6...9.9 A rms).

See the Kinetix 3 Component Drive User Manual, publication 2071-UM001, for detailed information on how to wire, apply power, troubleshoot, and integrate with Micro800® or MicroLogix™ controller platforms.

Catalog Number Explanation

This publication applies to the following Kinetix 3 drives.

Cat. No.	Input Voltage	Continuous Output Power	Continuous Output Current (0-pk)
2071-AP0	240V AC rms, 1 Ø	50 W	0.85 A
2071-AP1		100 W	1.56 A
2071-AP2		200 W	2.40 A
2071-AP4		400 W	4.67 A
2071-AP8	240V AC rms, 1 Ø or 3 Ø	800 W	7.07 A
2071-A10	220V AC rms, 3 Ø	1.0 kW	9.90 A
2071-A15		1.5 kW	13.99 A

Before You Begin

Remove all packing materials, wedges, and braces from within and around the components. After unpacking, check the item nameplate catalog number against the purchase order.

Safety Information

SHOCK HAZARD: Capacitors retain charge for approximately 300 s after power is removed. Disconnect incoming power and wait at least five minutes before touching the drive. There is a status indicator on the front of the drive that shows there is charge on the capacitors. Failure to observe this precaution could result in severe bodily injury or loss of life.

WARNING: The opening of branch-circuit protective device can be an indication that a fault has been interrupted. To reduce the risk of fire or electric shock, parts that carry current and other components of the controller must be examined and replaced if damaged.

Parts List

The Kinetix 3 drive ships with the following:

- A general-purpose power input (IPD) header, shunt resistor (BC) header, and motor power (MP) header
- A connector tool for open wire clamps on the power connector
- A ground clamp and two #6-32 x 1 screws to provide ground and strain relief for the motor power cable
- These installation instructions, publication 2071-IN001

TIP The breakout boards for motor feedback (catalog number 2071-TBMF) and I/O connections (catalog number 2071-TBIO) are not provided. See the Kinetix Servo Drives Specifications Technical Data, publication GMC-TD003, for more information.

Control and configuration serial interface cables (catalog numbers 2090-CCM*xx*DS-*xx*AA*xx*) and replacement connector sets (catalog number 2071-CONN1) are also available. See the Kinetix Motion Accessories Specifications Technical Data, publication GMC-TD004, for more information.

Install the Kinetix 3 Drive

These procedures assume that you have prepared your panel, and understand how to bond your system. For installation instructions regarding equipment and the accessories that are not included here, refer to the instructions that came with those products.

SHOCK HAZARD: To avoid hazard of electrical shock, mount and wire of the Kinetix 3 drive before you apply power. Once power is applied, connector terminals can have voltage present even when not in use.

ATTENTION: Plan the installation of your system so that you can cut, drill, tap, and weld with the system that is removed from the enclosure. Because the system is of the open-type construction, be careful to keep any metal debris from falling into it. Metal debris or other foreign matter can become lodged in the circuitry and result in damage to components.