Allen-Bradley

Kinetix 5700 DC-bus Connector Kits

Catalog Numbers 2198-BARCON-55DC200, 2198-BARCON-85DC200, 2198-BARCON-100DC200, 2198-BARCON-ENDCAP200

About the DC-bus Connector Kits

The Kinetix® 5700 DC-bus connector kits are used to extend DC-bus power from drive to drive in DC-bus multi-axis configurations. DC-bus links are rated for 270 A, maximum bus-bar current.

DC-bus Connector Kit Applications

DC-bus Connector Kit Cat. No.	Kinetix 5700 Drive Module Type	Kinetix 5700 Drive Cat. No.	Description
2198-BARCON-55DC200	Dual axis inverter	2198-D006-ERS3 2198-D012-ERS3 2198-D020-ERS3 2198-D032-ERS3	DC-bus link, 55 mm, 200 A
2198-BARCON-85DC200	Dual axis inverter	2198-D057-ERS3	DC-bus link, 85 mm, 200 A
	Single axis inverter	2198-S086-ERS3 2198-S130-ERS3	
2198-BARCON-100DC200	Single axis inverter	2198-S160-ERS3	DC-bus link, 100 mm, 200 A
2198-BARCON-ENDCAP200	DC-bus supply	2198-P031 2198-P070 2198-P141 2198-P208	DC-bus end caps, 200 A

See the Kinetix 5700 Servo Drives User Manual, publication 2198-UM002, for detailed information on wiring, applying power, troubleshooting, and integration with Logix5000™ controllers.

Install the Connector Kits

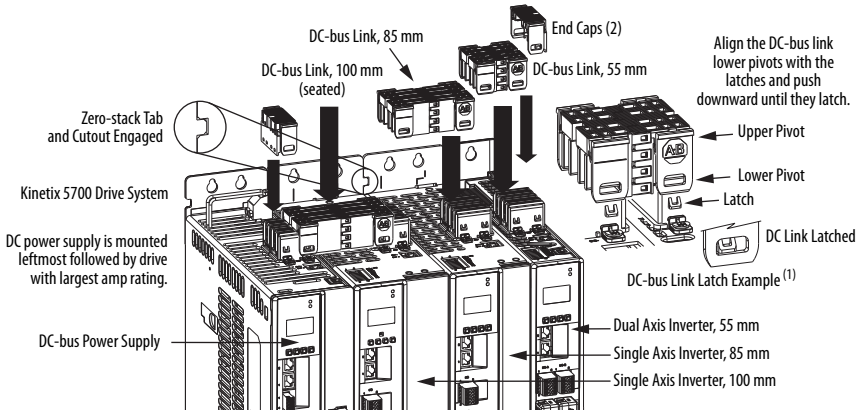
ATTENTION: To avoid hazard of electrical shock, perform all mounting and wiring of the Kinetix 5700 drives and shared-bus connector kits before applying power. Once power is applied, connector terminals can have voltage present even when not in use.

IMPORTANT When the shared-bus connection system is used, the zero-stack tab and cutout must be engaged between adjacent drives.

The DC-bus connection system is comprised of two components:

- DC-bus links that are inserted between drive modules to extend the DC bus from drive to drive
- DC-bus end caps that are inserted into the first and last drive modules to cover the exposed DC-bus connector on both ends of the bus

This example configuration illustrates the shared DC-bus connection system and consists of one 2198-P208 DC-bus power supply, one 2198-S160-ERS3 single-axis inverter, one 2198-S086-ERS3 single-axis inverter, and one 2198-D006-ERS3 dual-axis inverter.



(1) DC-bus links latch on both sides when inserted into the DC-bus connectors. To remove the DC-bus link, depress both sets of upper pivots to unlatch the lower pivots and hold the DC-bus link firmly while pulling upward.

Rockwell Automation maintains current product environmental information on its website at http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page.

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