

Kinetix 5700 DC-bus Link Kits

Catalog Numbers 2198-BARCON-55DC200, 2198-BARCON-85DC200, 2198-BARCON-100DC200, 2198-BARCON-165DC200, 2198-BARCON-220DC200, 2198-BARCON-275DC200, 2198-BARCON-440DC200, 2198-KITCON-ENDCAP200

Summary of Changes

This publication contains the following new or updated information. This list includes substantive updates only and is not intended to reflect all changes. Translated versions are not always available for each revision.

Topic	Page
Added Armorkinetix™ System Power Interface Module (PIM) catalog numbers to the table in support of the Armorkinetix drive.	1

The Kinetix® 5700 DC-bus link kits are used to extend DC-bus power from drive-to-drive in DC-bus multi-axis configurations. DC-bus links are rated for 208 A, maximum bus-bar current.

DC-bus Link Kit Applications

DC-bus Link Kit Cat. No.	Kinetix 5700 Drive Module Type	Kinetix 5700 Drive Module Cat. No.	Description
2198-BARCON-55DC200	Dual-axis inverter	2198-D006-ERSx, 2198-D012-ERSx, 2198-D020-ERSx, 2198-D032-ERSx, 2198-PIM070	DC-bus link, 55 mm, 208 A
2198-BARCON-85DC200 ⁽¹⁾	Dual-axis inverter	2198-D057-ERSx	DC-bus link, 85 mm, 208 A
	Single-axis inverter	2198-S086-ERSx, 2198-S130-ERSx	
2198-BARCON-100DC200	Single-axis inverter	2198-S160-ERSx	DC-bus link, 100 mm, 208 A
	iTRAK® power supply	2198-W25K-ER	
2198-BARCON-165DC200	Regenerative Bus Supply	2198-RP088	DC-bus link, 165 mm, 208 A
2198-BARCON-275DC200		2198-RP200	DC-bus link, 275 mm, 208 A
2198-BARCON-440DC200		2198-RP263, 2198-RP312	DC-bus link, 440 mm, 208 A
2198-BARCON-220DC200	Single-axis inverter	2198-S263-ERSx, 2198-S312-ERSx	DC-bus link, 220 mm, 208 A
2198-KITCON-ENDCAP200	DC-bus supply	2198-P031, 2198-P070, 2198-RP088, 2198-P141, 2198-RP200, 2198-P208, 2198-RP263, 2198-RP312	DC-bus end caps, 208 A

(1) When two or three 2198-P208 DC-bus supplies are connected in parallel, one 85 mm DC-bus link is required for each additional power supply.

See the Kinetix 5700 Servo Drives User Manual, publication [2198-UM002](#), for detailed information on wiring, applying power, troubleshooting, and integration with Logix 5000™ controllers.

Install the DC-bus Links



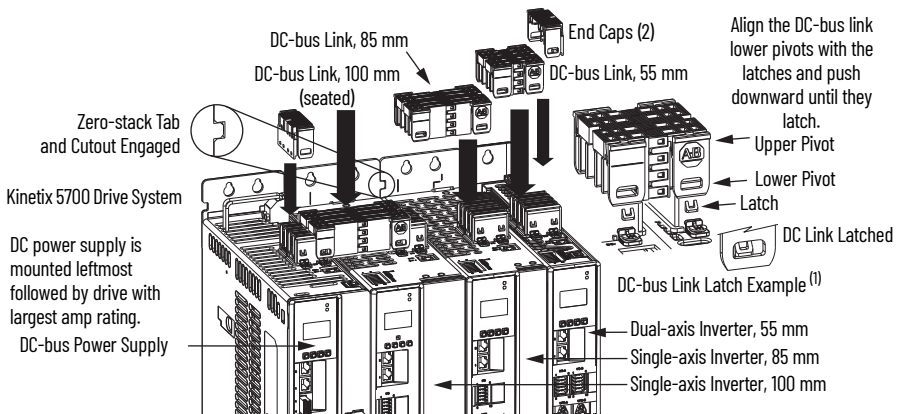
ATTENTION: To avoid hazard of electrical shock, perform all mounting and wiring of the Kinetix 5700 drives and DC-bus link kits before applying power. Once power is applied, connector terminals can have voltage present even when not in use.

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

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-ERSx single-axis inverter, one 2198-S086-ERSx single-axis inverter, and one 2198-D006-ERSx dual-axis inverter.



(1) DC-bus links latch on both sides when inserted into the DC-bus connectors. To remove the DC-bus link, verify that there is no bus voltage present, depress both sets of upper pivots to unlatch the lower pivots, and hold the DC-bus link firmly while pulling upward.

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Rockwell Otomasyon Ticaret A.Ş. Kar Plaza İş Merkezi E Blok Kat:6 34752, İçerenköy, İstanbul, Tel: +90 (216) 5698400 EEE
Yönetmeliğine Uygundur

Connect with us.

rockwellautomation.com

expanding human possibility®

AMERICAS: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2498 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

EUROPE/MIDDLE EAST/AFRICA: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 863 0600, Fax: (32) 2 863 0640

ASIA PACIFIC: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

UNITED KINGDOM: Rockwell Automation Ltd, Pitfield, Kiln Farm Milton Keynes, MK11 3DR, United Kingdom, Tel: (44)(1908)838-800, Fax: (44)(1908)261-917

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