

Shared-bus Connection System

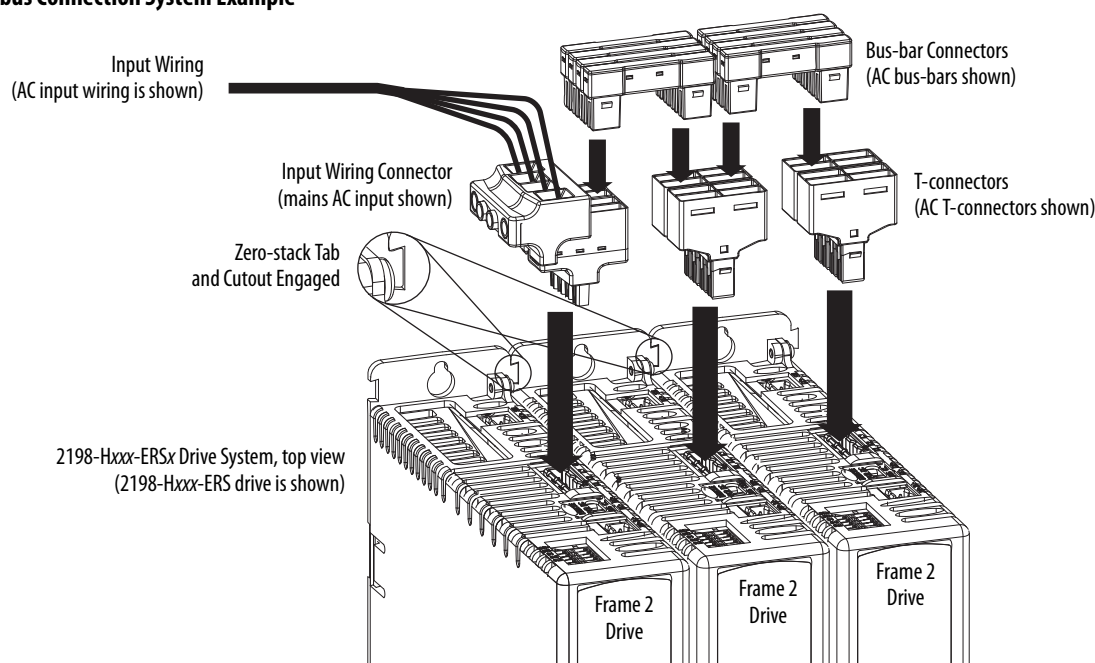
The shared-bus connection system is used to extend the mains AC input, 24V control input, and the DC bus power from drive-to-drive in shared-bus multi-axis configurations.

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

The connection system is comprised of three components:

- Input wiring connectors that plug into the leftmost drive and receive input wiring for mains AC and 24V DC.
- AC bus, DC bus, and 24V DC T-connectors that plug into the drives downstream from the first where AC, DC, and/or 24V control power is shared. DC bus T-connectors also plug into the first drive where DC bus power is shared.
- Bus bars that connect between drives to extend the mains AC bus, DC bus, and 24V DC control power from drive-to-drive.

Shared-bus Connection System Example

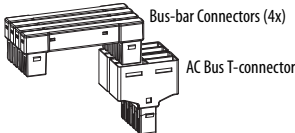
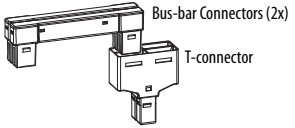
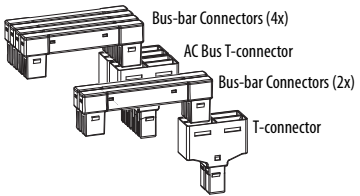
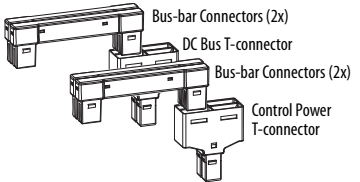
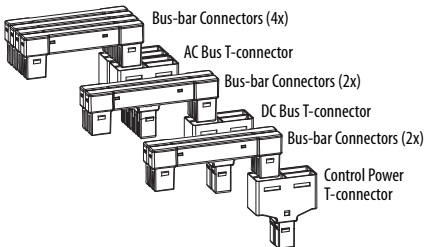


For each shared-bus servo drive system, you'll need one connector kit catalog number for each drive. Use these tables to determine which connector kits you'll need for your system.

Input Power Connector Kit Catalog Numbers

Frame Size	Cat. No.	Description	Contents	Illustration
1 and 2	2198-H040-ADP-IN	Kinetix 5500 Frame 1 and 2 connectors for the first drive in a multi-axis system.	<ul style="list-style-type: none"> • AC input connector for frame 1 and 2 drives • DC bus T-connector • Control power input connector 	
3	2198-H070-ADP-IN	Kinetix 5500 Frame 3 connectors for the first drive in a multi-axis system.	<ul style="list-style-type: none"> • AC input connector for frame 3 drive • DC bus T-connector • Control power input connector 	

Frame 3 Follower Drive Connector Kit Catalog Numbers

Cat. No.	Description	Contents	Illustration
2198-H070-A-T	T-connector and bus-bars for the AC bus on Frame 3 follower drives	<ul style="list-style-type: none"> AC bus T-connector Bus-bar connectors, 85 mm, quantity 4 	 <p>Bus-bar Connectors (4x) AC Bus T-connector</p>
2198-H070-D-T	T-connector and bus-bars for the DC bus on Frame 3 follower drives	<ul style="list-style-type: none"> DC bus T-connector Bus-bar connectors, 85 mm, quantity 2 	 <p>Bus-bar Connectors (2x) T-connector</p>
2198-H070-P-T	T-connector and bus-bars for control power on Frame 3 follower drives	<ul style="list-style-type: none"> Control power T-connector Bus-bar connectors, 85 mm, quantity 2 	
2198-H070-AD-T	T-connectors and bus-bars for the AC and DC bus on Frame 3 follower drives	<ul style="list-style-type: none"> AC bus T-connector DC bus T-connector Bus-bar connectors, 85 mm, quantity 6 	 <p>Bus-bar Connectors (4x) AC Bus T-connector Bus-bar Connectors (2x) T-connector</p>
2198-H070-AP-T	T-connectors and bus-bars for the AC bus and control power on Frame 3 follower drives	<ul style="list-style-type: none"> AC bus T-connector Control power T-connector Bus-bar connectors, 85 mm, quantity 6 	
2198-H070-DP-T	T-connectors and bus-bars for the DC bus and control power on Frame 3 follower drives	<ul style="list-style-type: none"> DC bus T-connector Control power T-connector Bus-bar connectors, 85 mm, quantity 4 	 <p>Bus-bar Connectors (2x) DC Bus T-connector Bus-bar Connectors (2x) Control Power T-connector</p>
2198-H070-ADP-T	T-connectors and bus-bars for the AC bus, DC bus, and control power on Frame 3 follower drives	<ul style="list-style-type: none"> AC bus T-connector DC bus T-connector Control power T-connector Bus-bar connectors, 85 mm, quantity 8 	 <p>Bus-bar Connectors (4x) AC Bus T-connector Bus-bar Connectors (2x) DC Bus T-connector Bus-bar Connectors (2x) Control Power T-connector</p>