

- One to eight MP-Series, RDD-Series, or LDC-Series rotary/linear motors or linear actuators (support for Heidenhain EnDat high-resolution feedback on RDD-Series motors has not been implemented)
- One to eight motor power and feedback cables
- Two to nine SERCOS fiber-optic cables
- Ethernet cables for Logix control and programming the safety configuration

Kinetix 6200 and Kinetix 6500 systems may also include any of these optional components:

- One or more IAM power modules used as a follower IAM, 2094-BCxx-Mxx-M (460V) and associated axis modules, power rails, motors, and cables as required for the application.
- One shunt module, 2094-BSP2 with optional Bulletin 1394 external passive shunt module
- Slot-filler modules, 2094-PRF
- Bulletin 2094 Line Interface Module (LIM)
- Bulletin 2090 Resistive Brake Module (RBM)

Kinetix 6000 Drive Component Compatibility

The 2094-BCxx-Mxx-M and 2094-BMxx-M power modules contain the same power structure as the 2094-BCxx-Mxx-S and 2094-BMxx-S drive modules. Because of this, the 2094-BSP2 shunt module, 2094-PRF slot-filler module, and 2094-PRSx power rails are supported by both drive families.

In addition, 2094-BMxx-M AM power modules with SERCOS interface are supported on power rails with a 2094-BCxx-Mxx-S IAM drive module. Conversely, 2094-BMxx-S AM drive modules are supported on power rails with a 2094-BCxx-Mxx-M IAM power module with SERCOS interface.

IMPORTANT

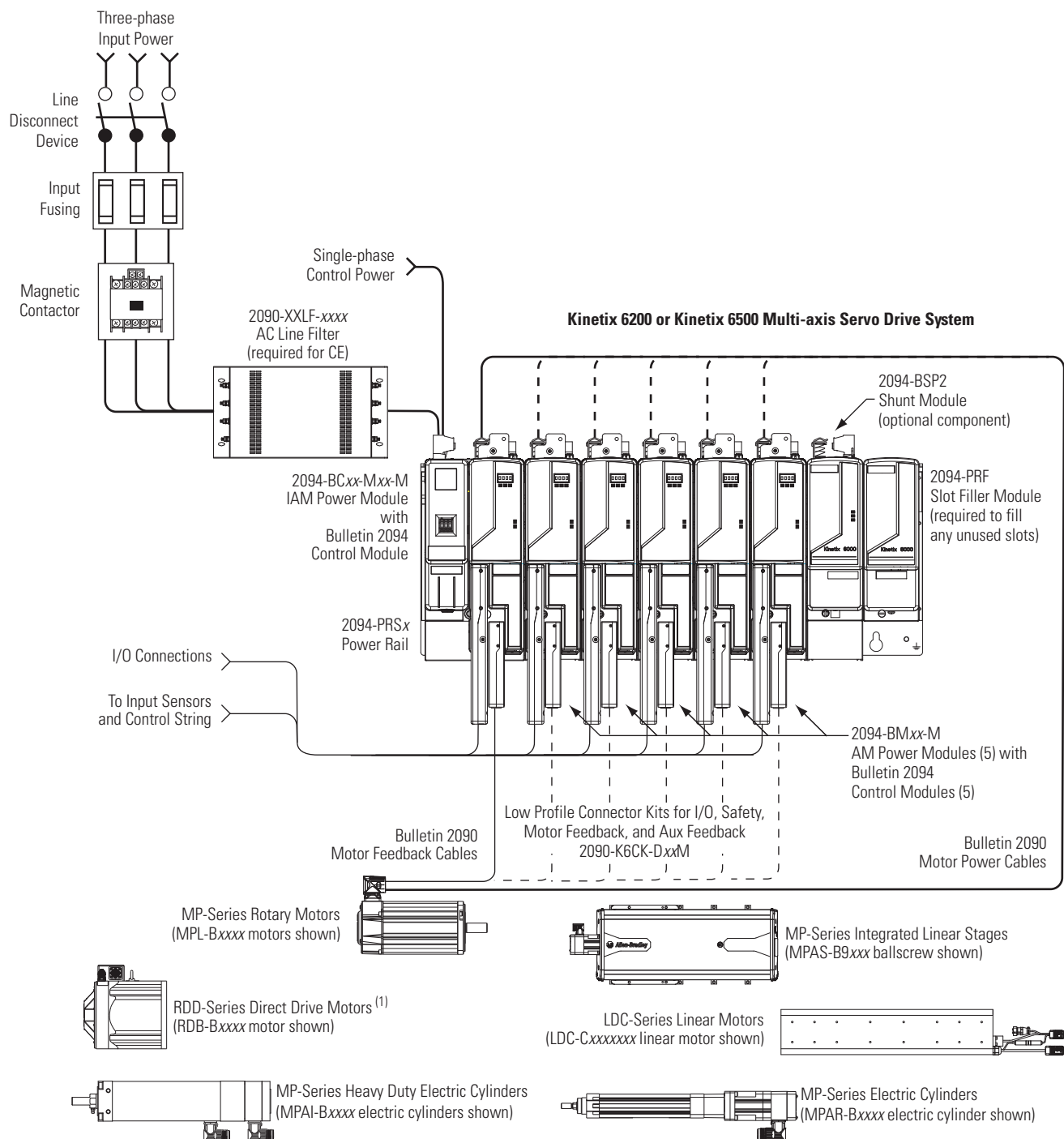
Kinetix 6500 EtherNet/IP control modules (catalog numbers 2094-EN02D-M01-Sx) are not compatible with IAM/AM modules on the same Bulletin 2094 power rail where SERCOS interface is used.

IAM/AM Module Compatibility

IAM Module	Control Module	2094-xMxx-S Kinetix 6000 AM Module	2094-BMxx-M AM Power Modules	
			2094-SE02F-M00-Sx Kinetix 6200 Control Module	2094-EN02D-M01-Sx Kinetix 6500 Control Module
2094-xCxx-Mxx-S	N/A	Fully compatible	Fully compatible	Not compatible
2094-BCxx-Mxx-M (IAM power module)	2094-SE02F-M00-Sx SERCOS interface			
	2094-EN02D-M01-Sx EtherNet/IP network	Not compatible	Not compatible	Fully compatible

For more information on the Kinetix 6000 IAM and AM modules, catalog numbers 2094-xCxx-Mxx-S and 2094-xMxx-S, refer to Kinetix 6000 Multi-axis Servo Drives in [Chapter 6](#).

For more information on the Bulletin 2094 power rails, shunt module, slot-filler module, RBM and LIM modules, refer to Motion Control Accessories in [Chapter 12](#).

Modular Drive System (without LIM module)

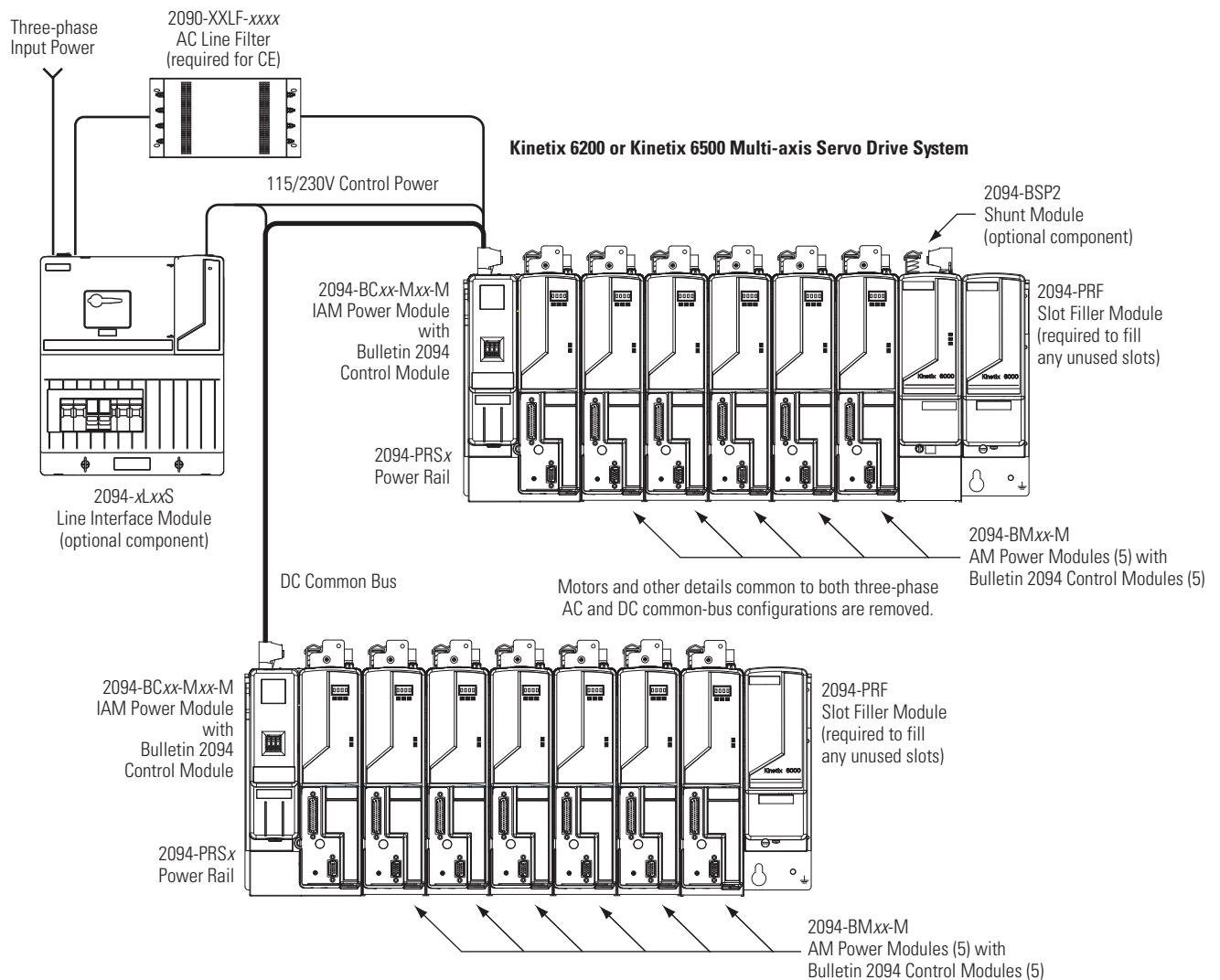
(1) Kinetix 6200/6500 support for Heidenhain EnDat high-resolution feedback has not been implemented.

In the system configuration below, the leader IAM power module is connected to the follower IAM module via the DC common bus. When planning your panel layout, you must calculate the total bus capacitance of your DC common bus system to make sure that the leader IAM power module is sized sufficiently to pre-charge the entire system. Refer to the Kinetix 6200 and Kinetix 6500 Modular Servo Drive User Manual, publication [2094-UM002](#), when making this calculation.

IMPORTANT

If total bus capacitance of your system exceeds the leader IAM power module pre-charge rating, the IAM module four-character display scrolls a power cycle user limit condition. If input power is applied, the display scrolls a power cycle fault limit condition.

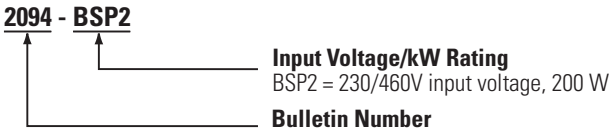
To correct this condition, you must replace the leader IAM power module with a larger module or decrease the total bus capacitance by removing AM power modules.

Modular Drive System (DC Common Bus)

Motors and other details common to both three-phase AC and DC common-bus configurations are removed.

Shunt Module Catalog Numbers

Catalog numbers consist of various characters, each of which identifies a specific option for that component. Use the catalog numbering table chart below to understand the configuration of your module. For questions regarding product availability, contact your Allen-Bradley distributor.



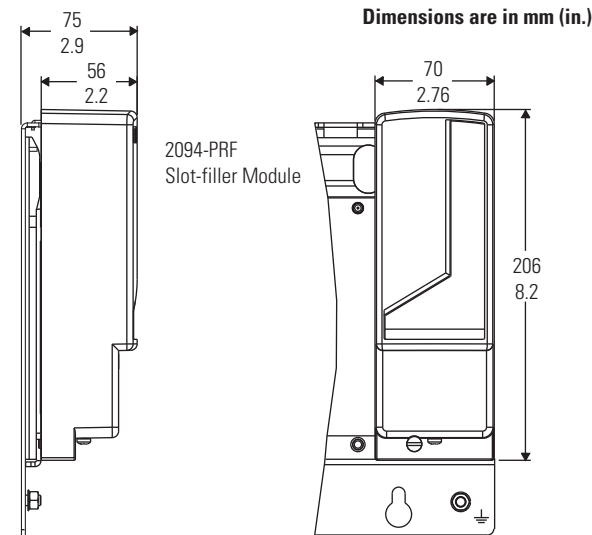
Bulletin 2094 Slot-filler Module

The Bulletin 2094 slot-filler module is compatible with Kinetix 6000, Kinetix 6200, and Kinetix 6500 drive families. This section contains dimensions and catalog numbers for the 2094-PRF slot-filler module.

IMPORTANT

The 2094-PRF slot-filler module is compatible with all 230V and 460V systems. Power rail slots not occupied by an IAM, AM, or shunt module, must have a slot-filler module installed.

Slot-filler Module Dimensions



Slot-filler Module Catalog Numbers

Catalog numbers consist of various characters, each of which identifies a specific option for that component. Use the catalog numbering table chart below to understand the configuration of your module. For questions regarding product availability, contact your Allen-Bradley distributor.

