



Allen-Bradley

Ultra3000 Digital Servo Drives

Catalog Numbers

2098-DSD-005, -010, and -020

2098-DSD-xxxX

2098-DSD-xxx-SE

2098-DSD-xxx-DN

2098-DSD-xxxX-DN

2098-DSD-030, -075, and -150

2098-DSD-xxxX

2098-DSD-xxx-SE

2098-DSD-xxx-DN

2098-DSD-xxxX-DN

**2098-DSD-HV030, -HV050, -HV100, -HV150,
and -HV220**

2098-DSD-HVxxxX

2098-DSD-HVxxx-SE

2098-DSD-HVxxx-DN

2098-DSD-HVxxxX-DN

Integration Manual

**Rockwell
Automation**

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Configuring Your Ultra3000 Drive and Ultra3000 Drive with Indexing

The procedures in this section are listed in this table and apply to Ultra3000 drives and Ultra3000 drives with indexing.

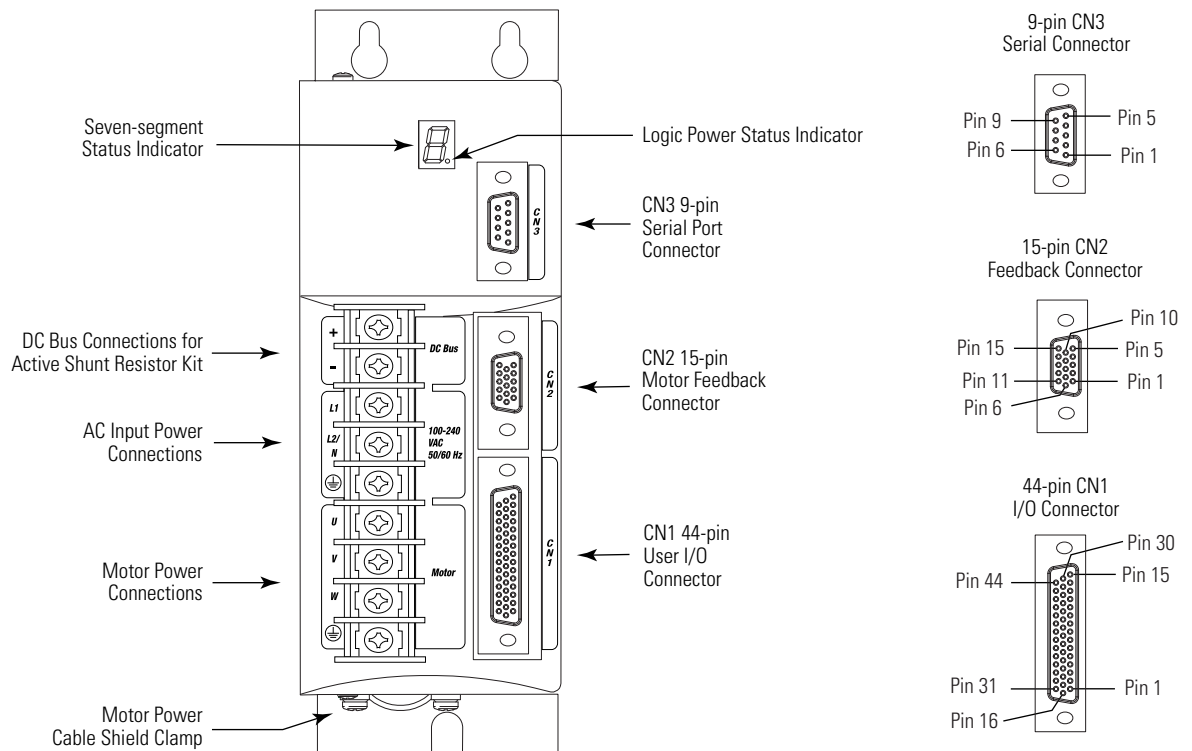
Ultra3000 Drive Configuration Procedures

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Front Panel Connections

Use this figure to locate the front panel connections on the Ultra3000 230V drives (500 W, 1 kW, and 2 kW).

Front Panel Connections for 2098-DSD-005, 2098-DSD-005X, 2098-DSD-010, 2098-DSD-010X, 2098-DSD-020, and 2098-DSD-020X Drives



For CN1, CN2, and CN3 connector pin-out information, refer to the Ultra3000 Digital Servo Drives Installation Manual, publication [2098-IN003](#).

Configuring Your Ultra3000 Drive with DeviceNet

The procedures in this section are listed in this table and apply to Ultra3000-DN drives with indexing.

Ultra3000 Drive Configuration Procedures

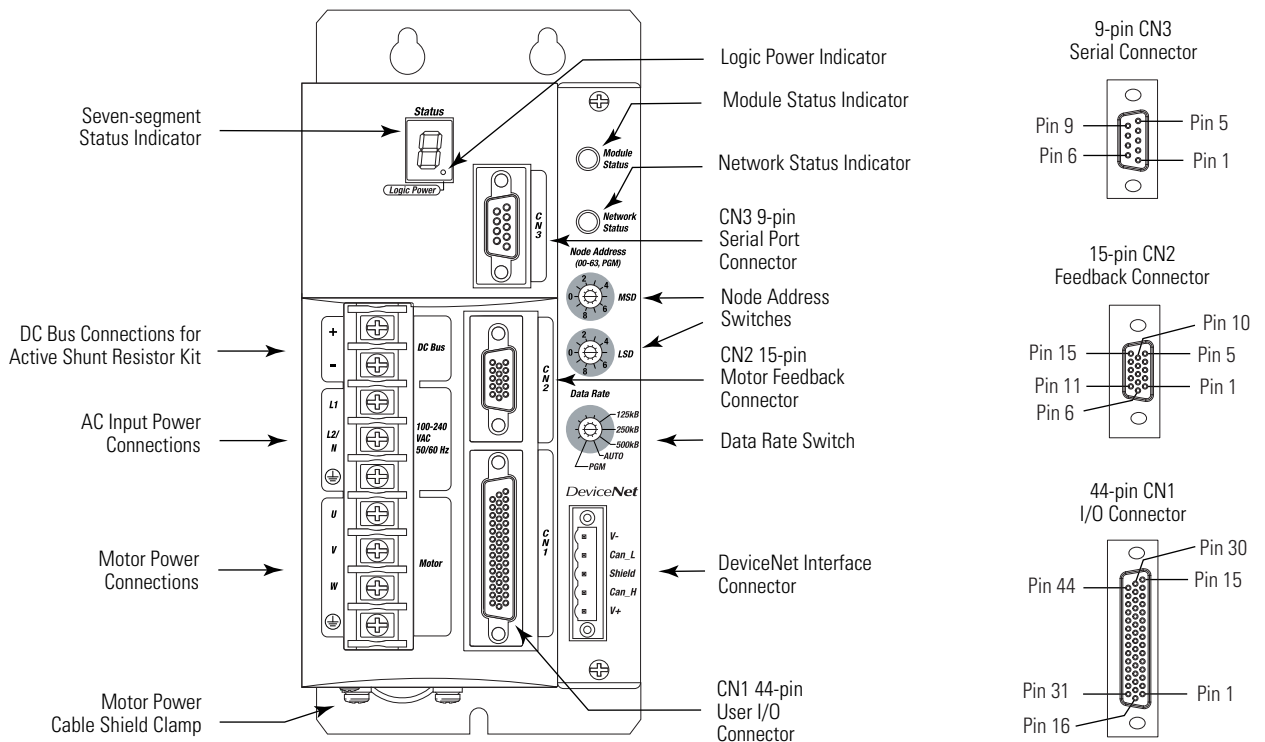
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These procedures assume you have completed wiring the DeviceNet interface connector on your Ultra3000-DN drive.

Front Panel Connections

Use this figure to locate the front panel connections on the Ultra3000-DN 230V drives (500W, 1 kW, and 2 kW).

Front Panel Connections for 2098-DSD-005-DN, 2098-DSD-005X-DN, 2098-DSD-010-DN, 2098-DSD-010X-DN, 2098-DSD-020-DN, and 2098-DSD-020X-DN Drives



For CN1, CN2, and CN3 connector pin-out information, refer to the Ultra3000 Digital Servo Drives Installation Manual, publication [2098-IN003](#).

Power Interconnect Diagrams

This is the power wiring diagram with 24V dc control string for 2098-DSD-005x-xx, 2098-DSD-010x-xx, and 2098-DSD-020x-xx Ultra3000 drives (non-SERCOS drives only). To avoid a separate 5V dc auxiliary logic power supply, the 24V to 5V converter breakout board (catalog number 2090-U3CBB-DMxx) is used to wire the control interface (CN1) connector. For the control string diagram with 120V ac input refer to the figure on page 128.

For SERCOS drives, input line contactor is part of the PLC program and output control.

Typical Power Wiring of Ultra3000 (230V) System

