

Appendix *DSM314 Connections*

A

Equipment Needed for One-Axis Connection to DSM314

- **IC693ACC336** Auxiliary Terminal Board
- **IC800VMCI010** Cable, (1 meter) CN1 Flying Leads
(Choose 1-meter, 3-meter or connector kit)
- **IC800VMCI030** Cable, (3 meter) CN1 Flying Leads
- **IC800VMACONCN1** CN1 connector kit
- **IC693CBL324** Cable, (1 meter) DSM to terminal board
Choose 1-meter or 3-meter)
- **IC693CBL325** Cable, (3 meter) DSM to terminal board

Avoiding Electrical Noise in the Installation

- Ensure that the amplifier chassis ground, motor frame ground and the PLC chassis ground meet the requirements for Class 3 Grounding (must be less than 100 ohms between any two points).
- Separate amplifier AC power wiring, motor power cable and the optional motor mounted brake power cable (Group A) from signal cables such as motor feedback cable or CN1 I/O cable (Group B) by at least 10cm or provide a grounded steel plate to separate them.
- Do not tie Group A cables to Group B cables with cable ties or route them in parallel without separation.
- User constructed Group B cables should observe and use twisted pair wires inside a shielded sheathe. Ground the shield at only one point.
- User constructed Group A cables should NOT be shielded with the shield tied to the same ground as the Group B cables. Use separate grounds with isolation or avoid shields on this group of cables.
- Route Group B cables away from high noise areas on the machine or in the panel.