

REPLACEMENT VFD INSTRUCTIONS

Replace a VFD when it does not function properly and tech support recommends replacement. These instructions apply to SlideDriver II VFDs.

SAFETY INFORMATION

Use PPE including eye protection, gloves, and safety toe shoes.

COMPONENTS

VFD

- MX5494 1Ø 200-240VAC
- MX5495 3Ø 200-240VAC
- MX5496 3Ø 400-480VAC (SD50F AND SD80V)
- MX5497 3Ø 200-240VAC (SD200V)
- MX5498 3Ø 400-480VAC

TOOLS

- Philips head screwdriver
- Electrical wiring diagram (see Digital Installation Manual)

REMOVE PARTS

1. Loosen the screws that secure the cover to the SlideDriver II chassis and remove the cover.
2. Position the gate as required for maintenance.
3. Set the power switch to OFF.
4. Carefully, unclamp the drive wheels.
5. Disconnect all of the control and power wiring from the VFD.

Note: Label sets of wires as they are removed to help install them in the new VFD. If a ground wire is disconnected from ground, mark it to complete installation later.

6. Remove the screws holding the old VFD and remove it. Mark the screw locations to install the new VFD in the correct location.

INSTALL NEW PARTS

1. Install the new VFD and tighten the screws in the same location.
2. Refer to the wiring diagrams and reconnect all control and power wiring (Figure 3 - Figure 9).

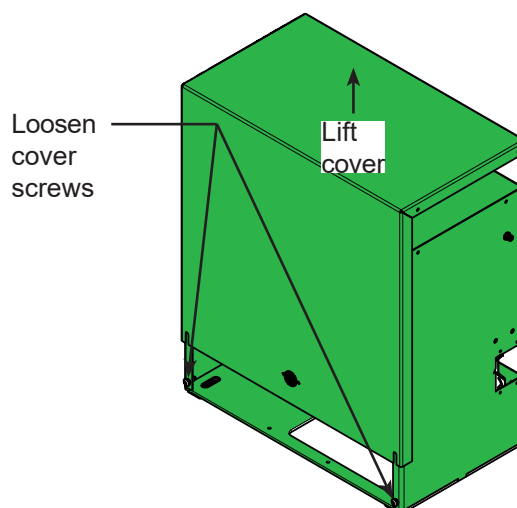


Figure 1. Remove the Cover

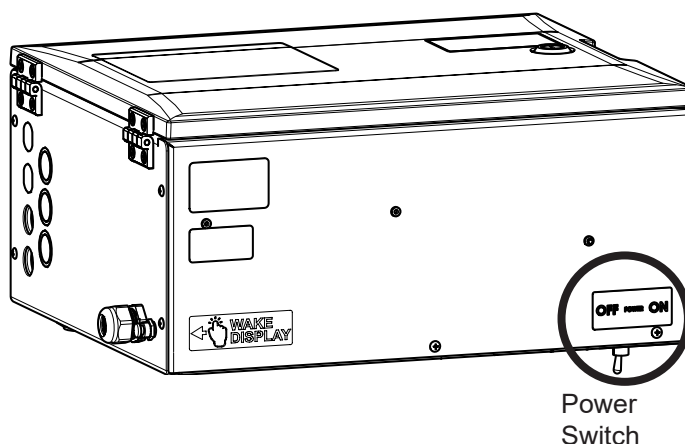


Figure 2. Set Power Switch to OFF

COMPLETE INSTALLATION

1. Set the power switch to ON and test cycle the operator.
2. Refer to the SlideDriver II Digital Installation Manual for Troubleshooting/Alerts/Faults/Errors as necessary.

⚠ DANGER

To avoid risk of injury or death, disconnect the gate operator from the main power source prior to performing any of the following service procedures!

Contact Information:

Visit support.hysecurity.com for installation manuals, replacement part instructions, wiring diagrams, part diagrams and more.

Obtain the serial number of your operator before contacting your distributor or Nice | HySecurity Technical Support.

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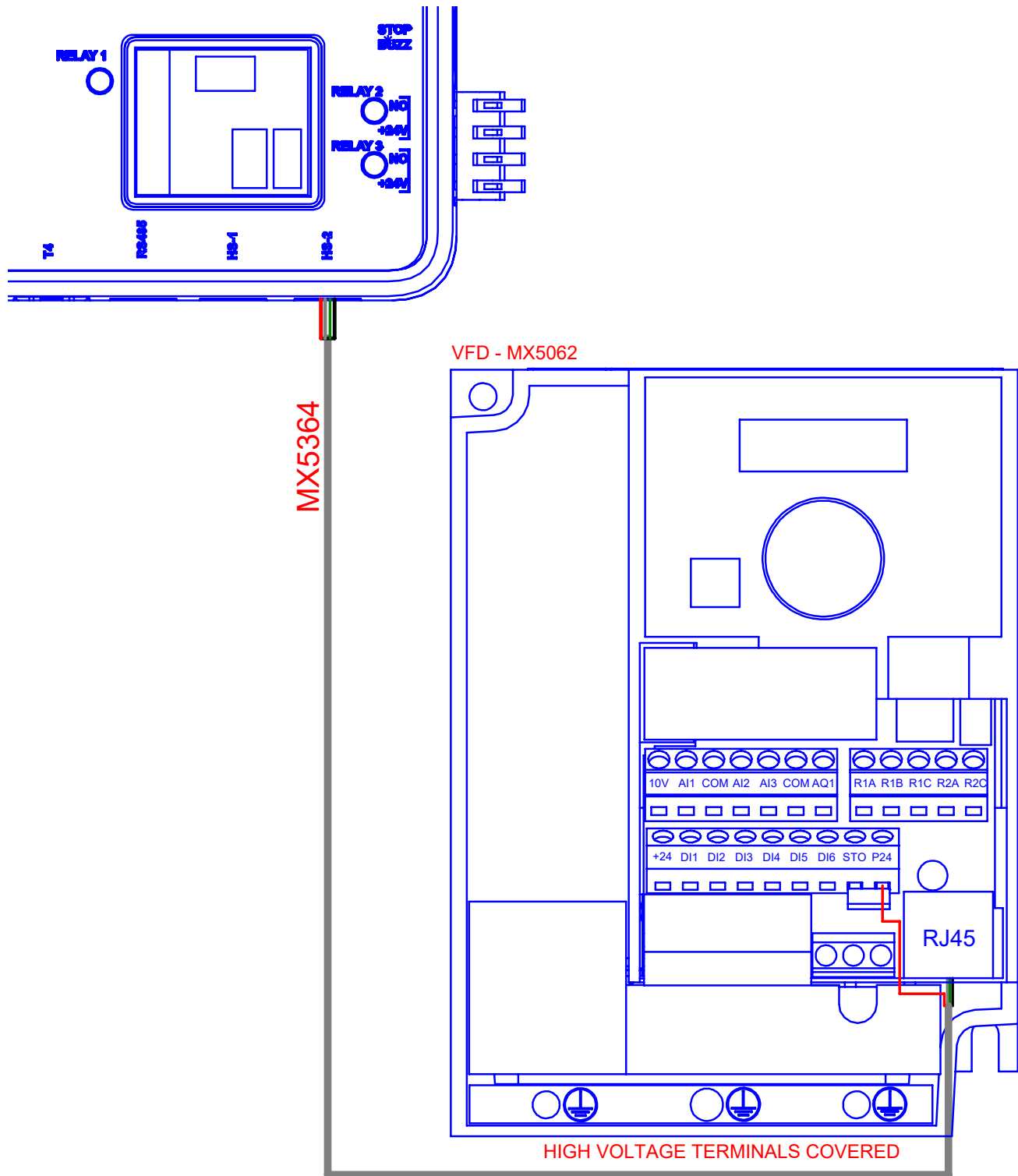


Figure 3. SmartTouch 720/725 Controller

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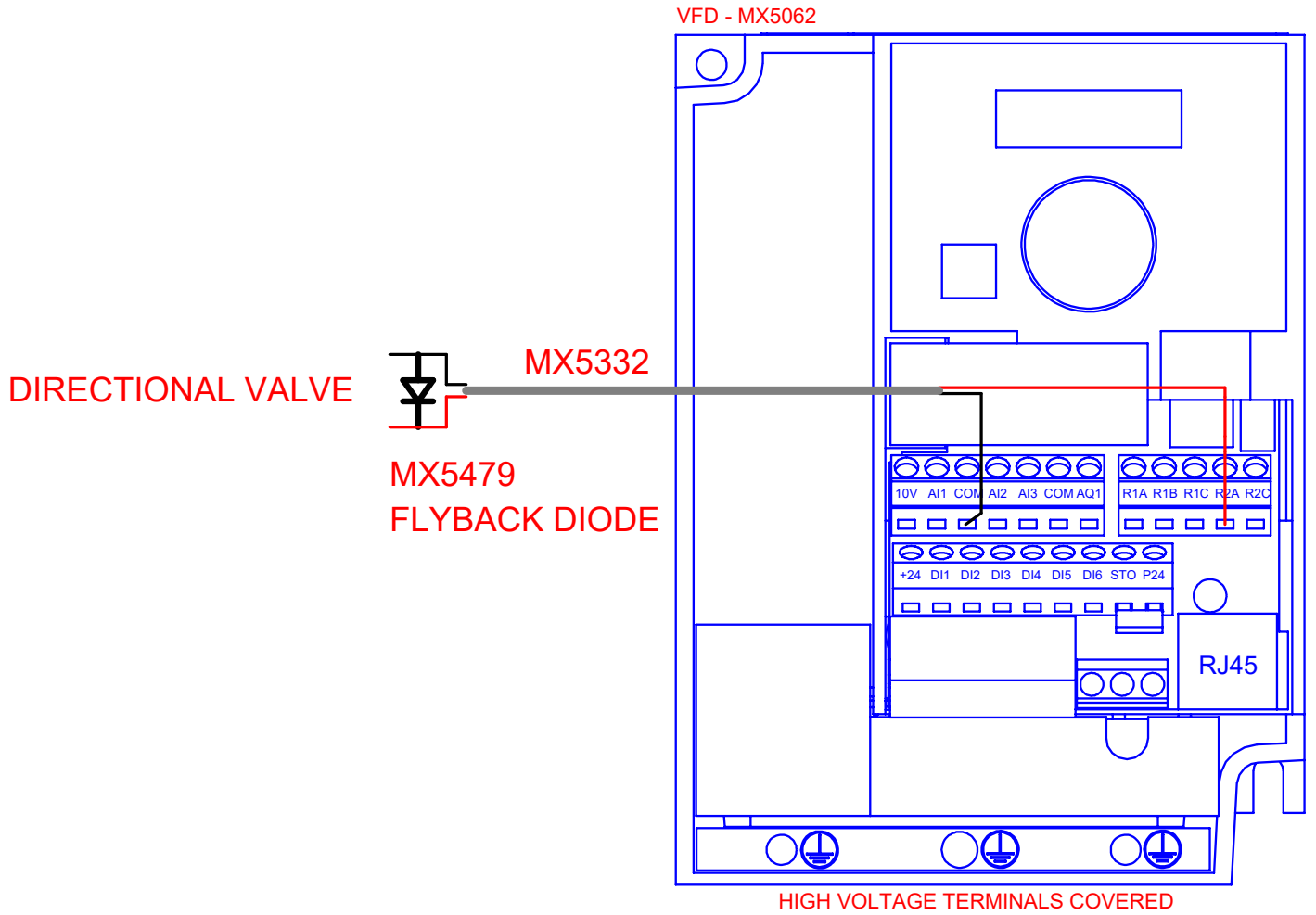


Figure 4. Flyback Diode and Directional Valve

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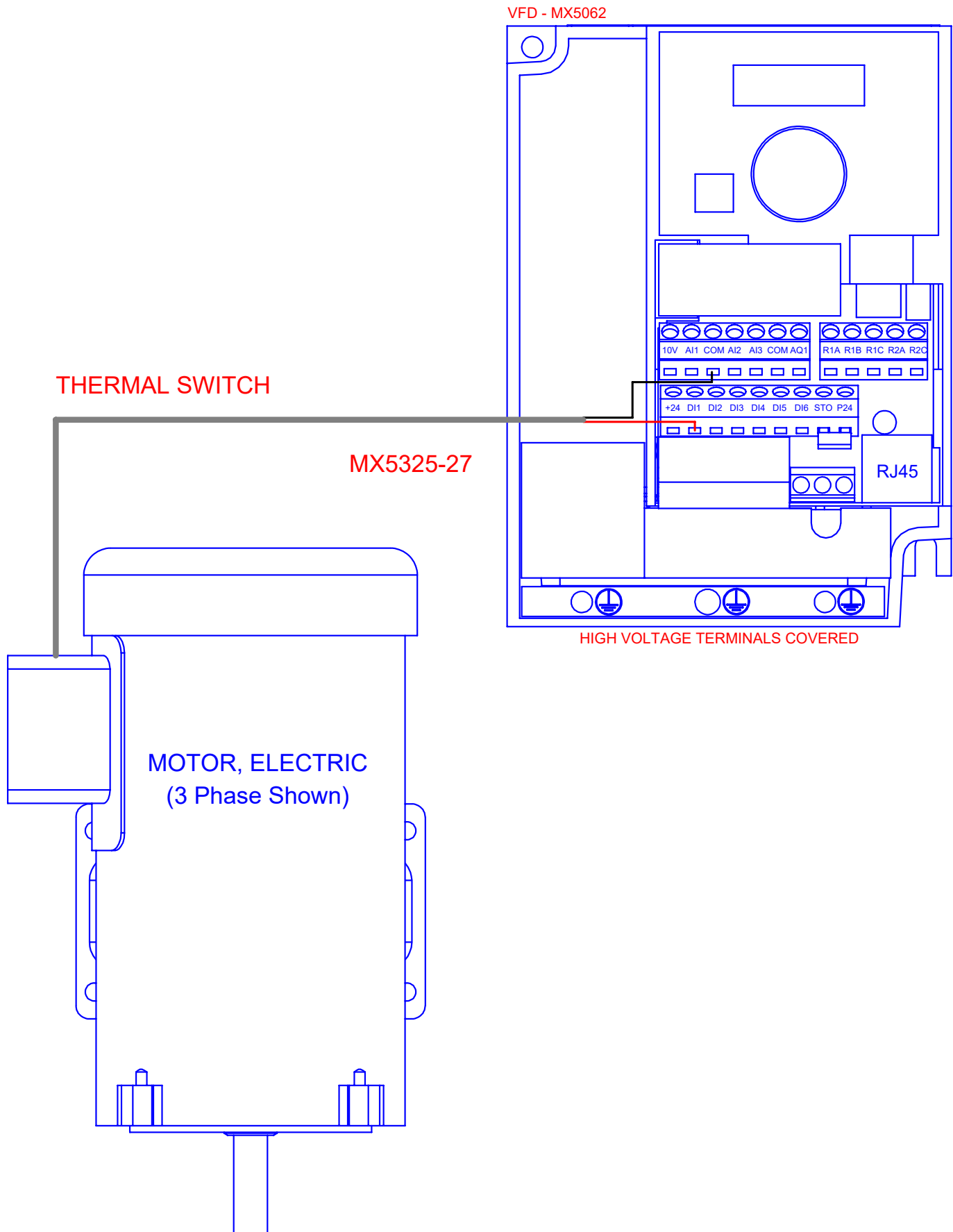


Figure 5. Motor Thermal Switch

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VFD - MX5062

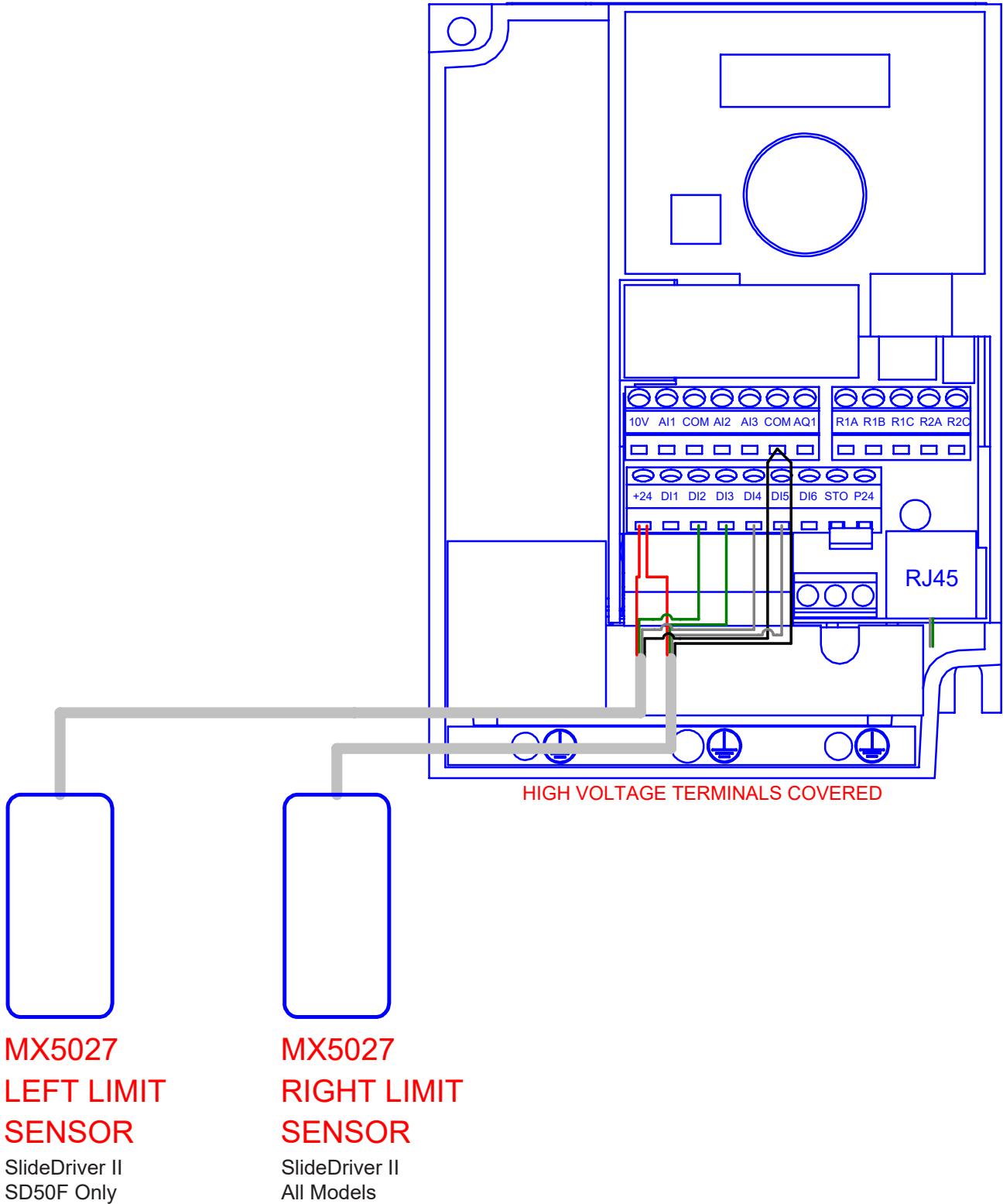


Figure 6. Limit Sensors

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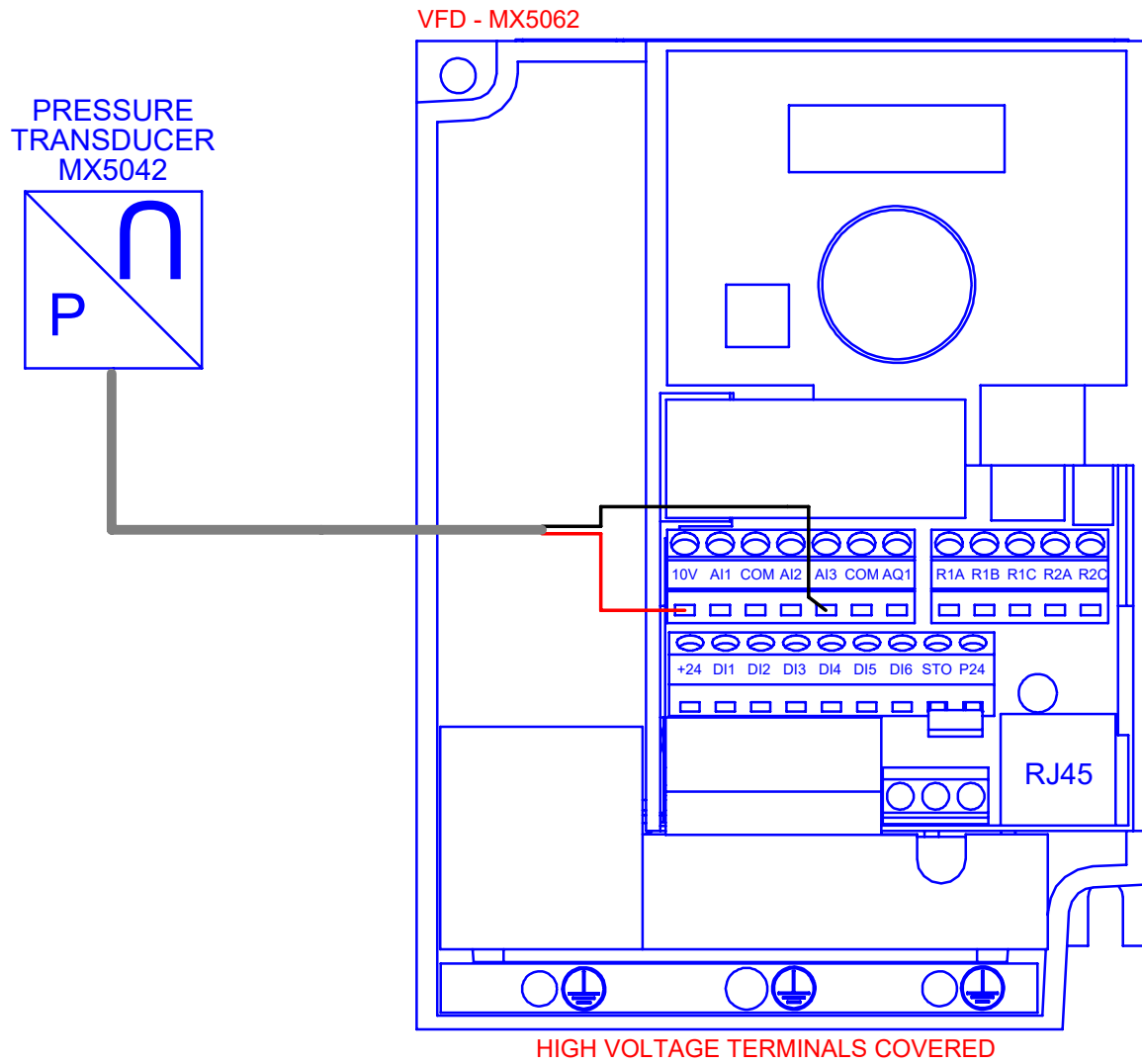


Figure 7. Pressure Transducer

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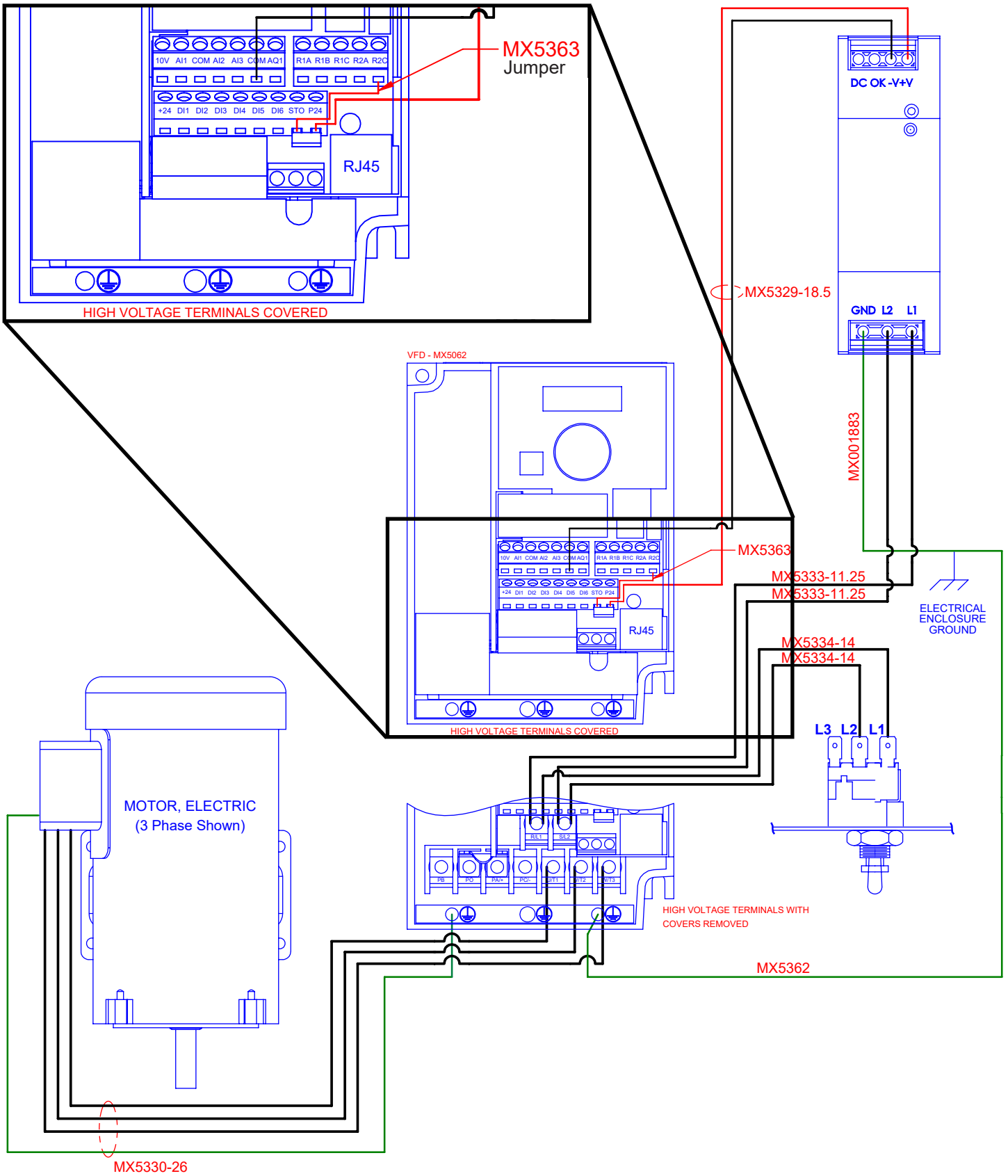


Figure 8. Power Wiring 1Ø

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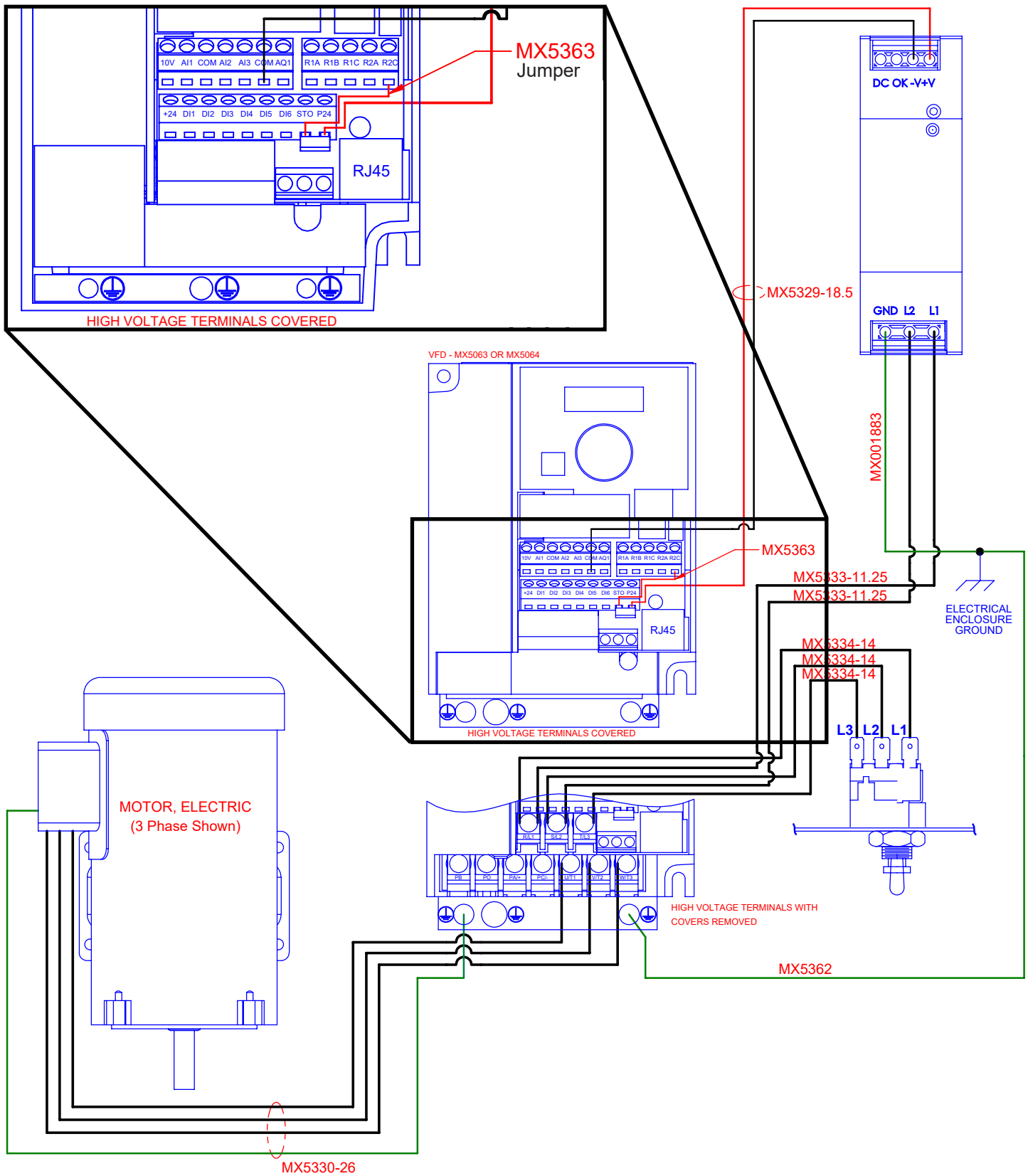


Figure 9. Power Wiring 3Ø