xL0 troubleshooting Step

1: Check compressor

- Check that compressor wiring is all connected properly.
- The normal resistances of the inverter compressor are 0.7-1.5Ω among U V W and infinite between each of U V W and ground. If any of the resistances differ from these specifications, the compressor has malfunctioned.

Figure 1: Measuring resistances among compressor terminals

Figure 2: Measuring resistances between compressor terminals and ground

- If the resistances are normal, go to Step 2.

Step 2: Check inverter module

- The DC voltage between terminals P1 and N1 should be 1.41 times the local power supply voltage. The DC voltage between terminals P and N should be 537-586V (power supply voltage specification:380~415V 3N~). If either voltage is not in the normal range, troubleshoot as for xL1 or xL2 errors. Refer to “xL1/xL4 troubleshooting” or “xL2 troubleshooting”.
- Disconnect the terminals U, N, W from the inverter compressor. Measure the resistance among terminals P, N, U, V, W. All the resistances should be infinite. If any of them are not infinite, the inverter module is damaged and should be replaced.

Figure 3: Inverter module terminals