The Start Capacitor has a 15,000 ohm 2 watt bleed resistor connected across its terminals to protect the Start Relay contacts.
Carrier/Carlyle
6D/06D Compressors
Terminal Wiring Diagrams

Three Phase 6 Leads 6 Overloads

Internal Thermostats - all 3 & 9 Lead Motors

The control circuit thermostats are buried in the motor windings. Their contacts are rated at 240 VA @240 Volts (1 Amp).

Three Phase 9 Leads 230 Volts

Three Phase 9 Leads 460 Volts

External Thermostat contacts rated at 240 VA @240 Volts (1 Amp).

Terminal #1 is the Left Hand terminal plate facing the compressor motor cover.
Terminal #2 is the Right Hand terminal plate facing the compressor motor cover.