

138LS - 165LS Connection Diagrams

Terminal Box - 3 Phase - US Motor



Code:

T1 & T2: Thermal protection

B1 & B2: internal brake

rd - red

ye - yellow

bk - black

gy - gray

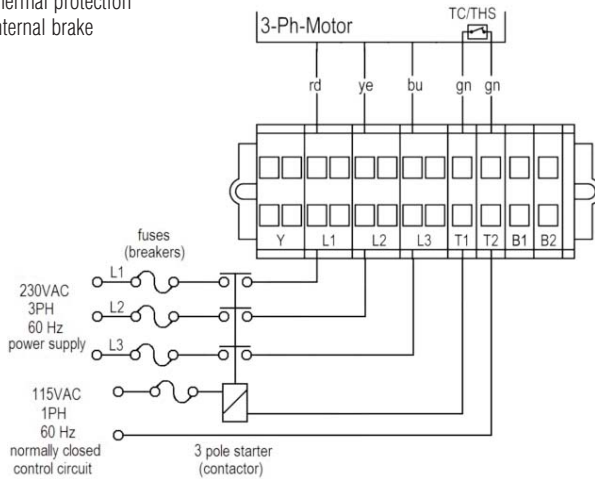
bu - blue

gn - green

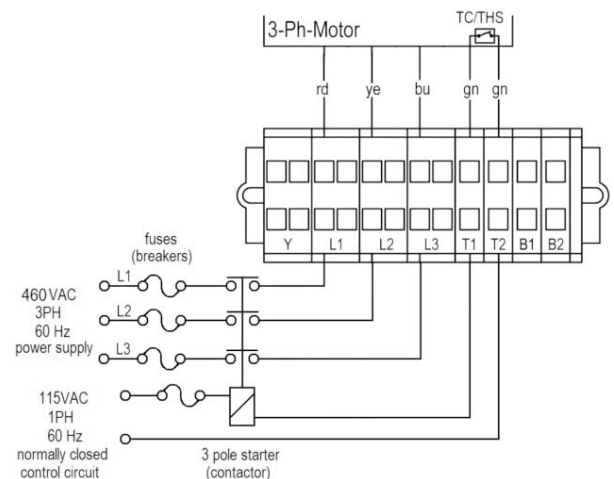
wh - white

bn - brown

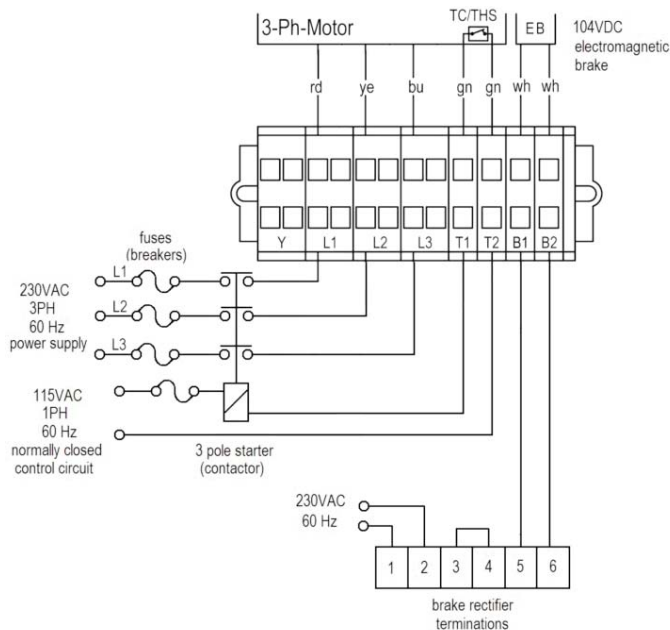
Low Voltage



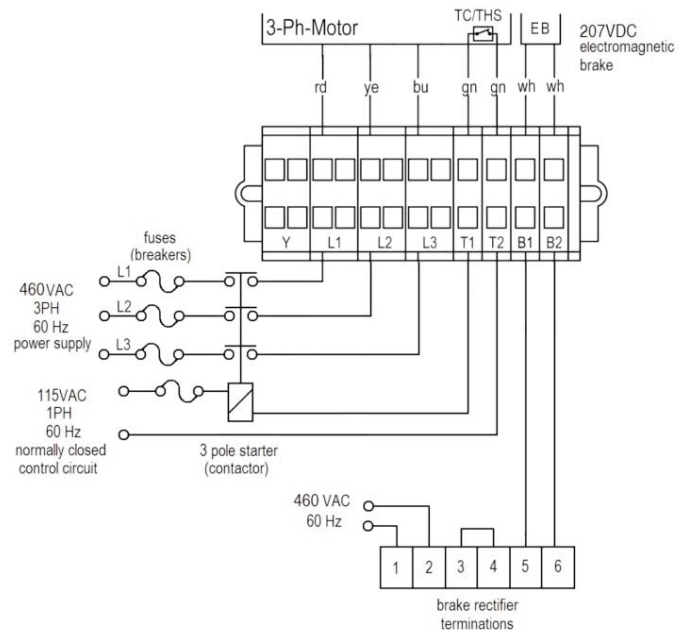
High Voltage



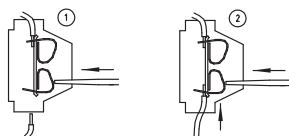
Low Voltage with Brake Option



High Voltage with Brake Option



Assembly instructions



Push down clamp

Push in wire

NOTE:

Brake rectifier is shown with jumper across terminals 3 & 4. This enables AC power supply to rectifier to stop and start brake. Brake responsiveness may be improved by connecting an external switch to terminals 3 & 4.



138LS Connection Diagrams

Terminal Box - 1 Phase - US Motor

Code:

T1 & T2: Thermal protection

B1 & B2: Internal brake

Cr: Run Capacitor

Cs: Start Capacitor

K: Start Capacitor Relay

rd - red

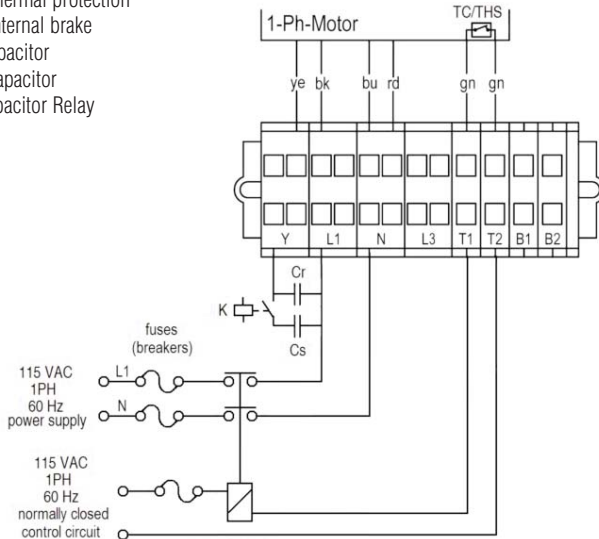
ye - yellow

bk - black

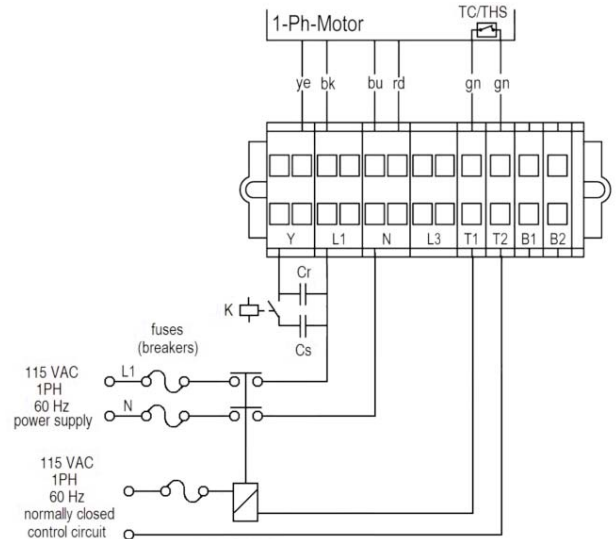
bu - blue

gn - green

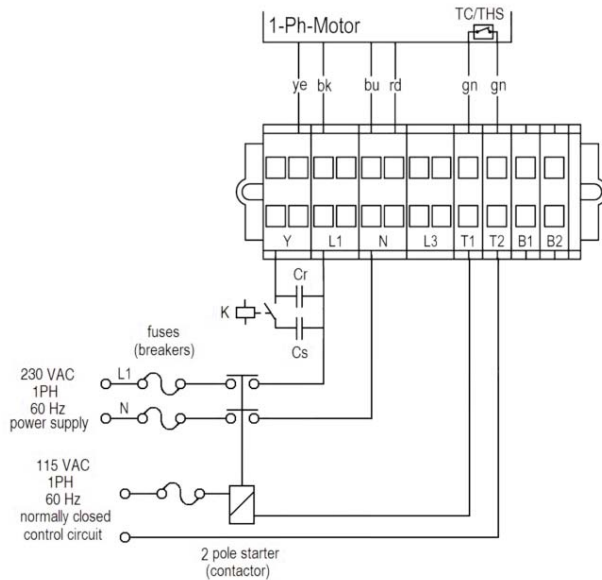
Low Voltage - Clockwise Rotation



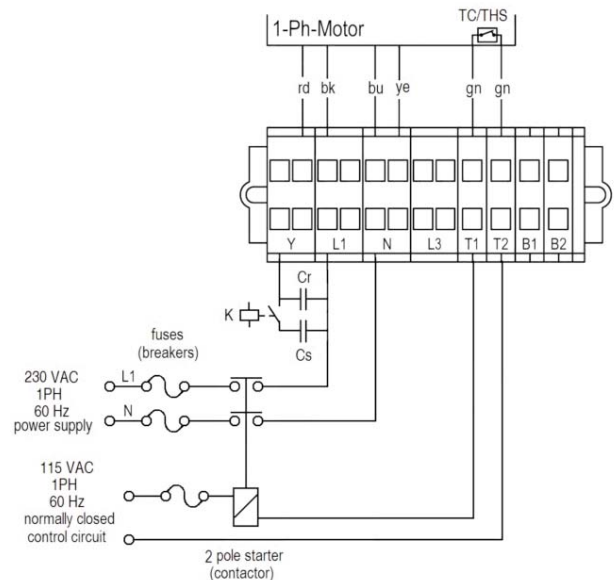
Low Voltage - Counterclockwise Rotation



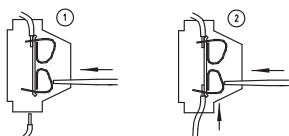
High Voltage - Clockwise Rotation



High Voltage - Counterclockwise Rotation



Assembly instructions



Push down clamp Push in wire

138LS - 165LS Connection Diagrams

Terminal Box - 3 Phase - European Motor



Code:

T1 & T2: Thermal protection

B1 & B2: Internal brake

rd - red

ye - yellow

bk - black

gy - gray

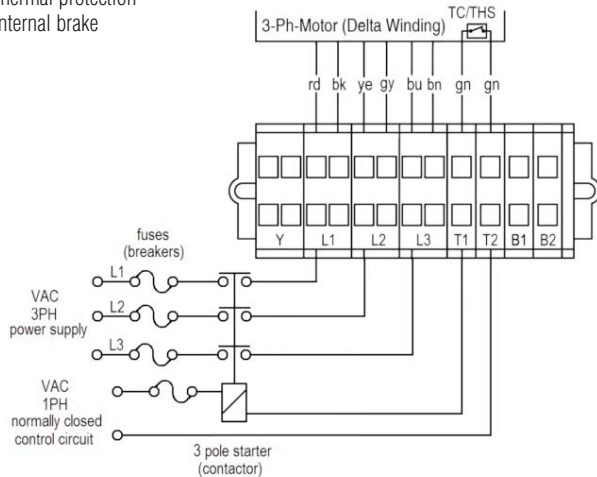
bu - blue

gn - green

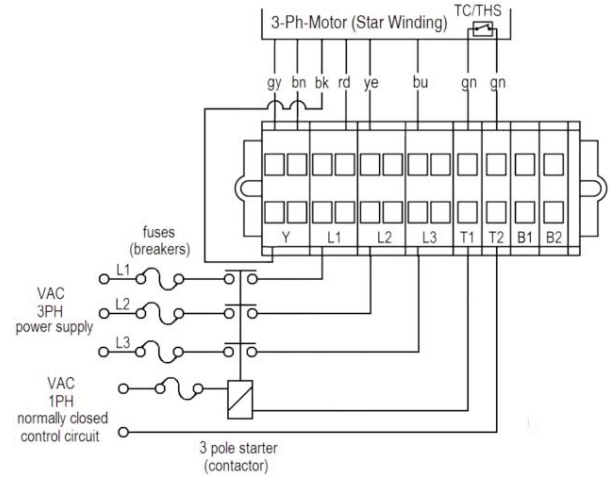
wh - white

bn - brown

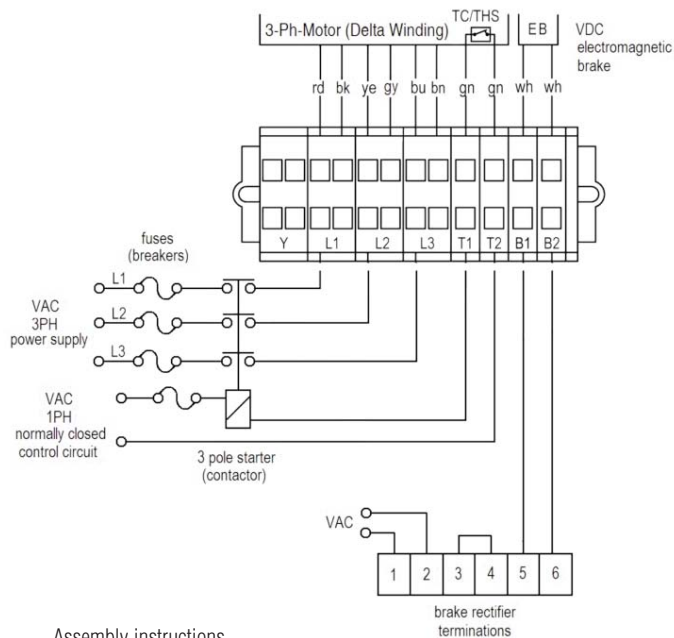
Low Voltage



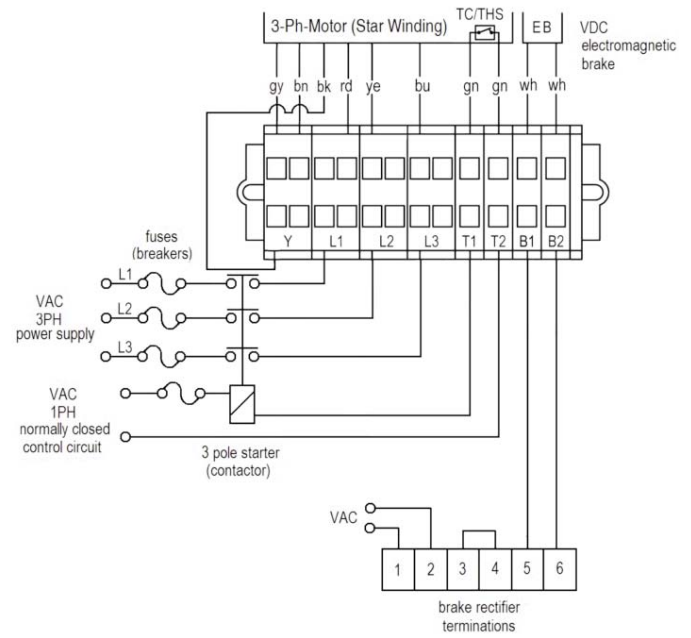
High Voltage



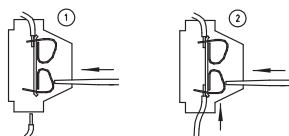
Low Voltage with Brake Option



High Voltage with Brake Option



Assembly instructions



Push down clamp

Push in wire

NOTE:

Brake rectifier is shown with jumper across terminals 3 & 4. This enables AC power supply to rectifier to stop and start brake. Brake responsiveness may be improved by connecting an external switch to terminals 3 & 4.



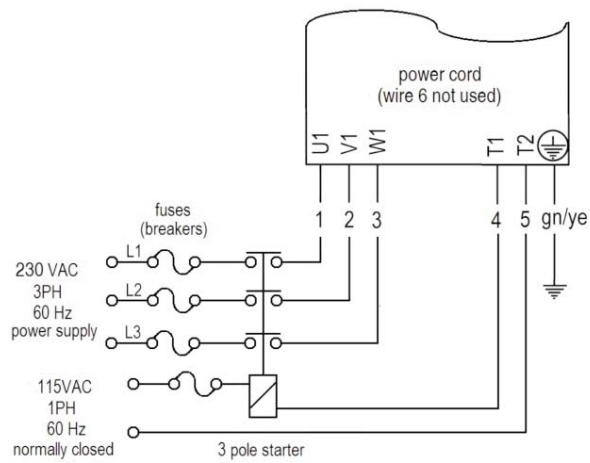
80LS - 165LS Connection Diagrams

Power Cord (7 wire) - 3 Phase - US Motor

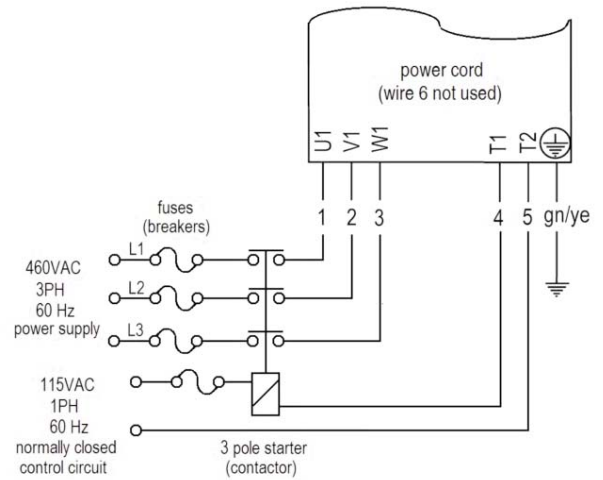
Code:

T1 & T2: Thermal protection

Low Voltage



High Voltage



80LS - 165LS Connection Diagrams

Power Cord (9 wire) - 3 Phase - US Motor

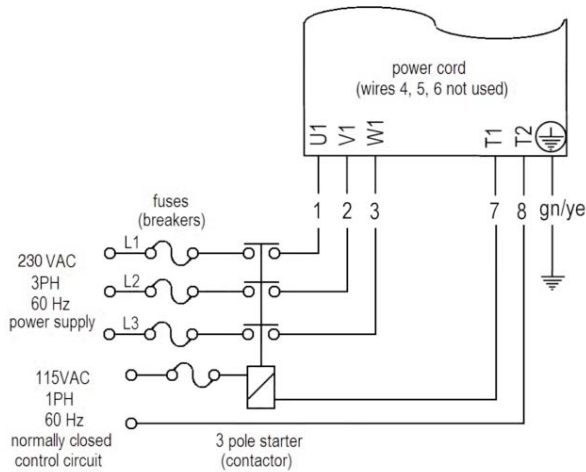


Code:

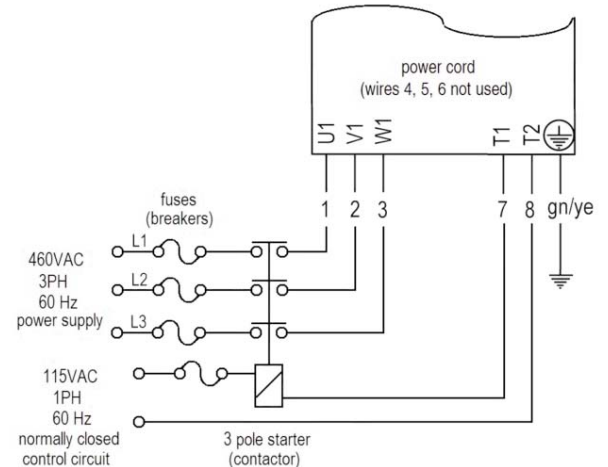
T1 & T2: Thermal protection

B1 & B2: Internal brake

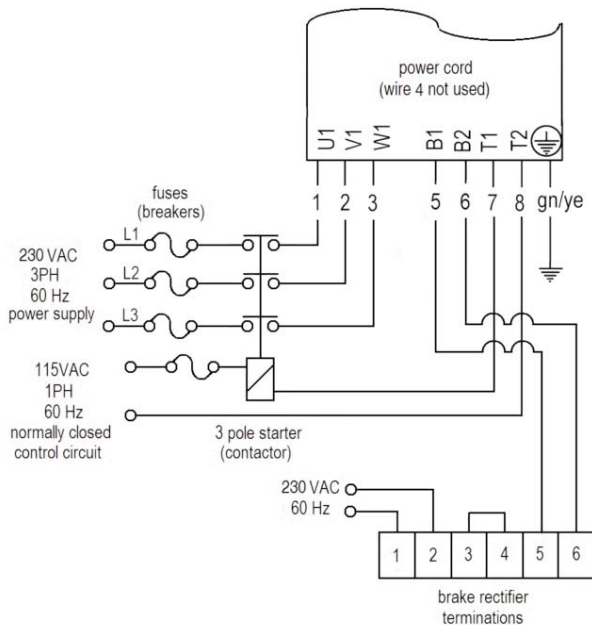
Low Voltage



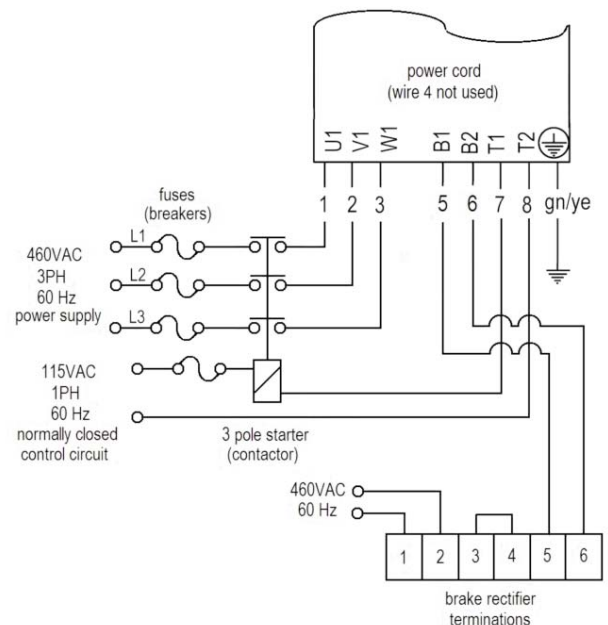
High Voltage



Low Voltage with Brake Option



High Voltage with Brake Option





138LS Connection Diagrams

Power Cord (9 wire) - 1 Phase - US Motor

Code:

T1 & T2: Thermal protection

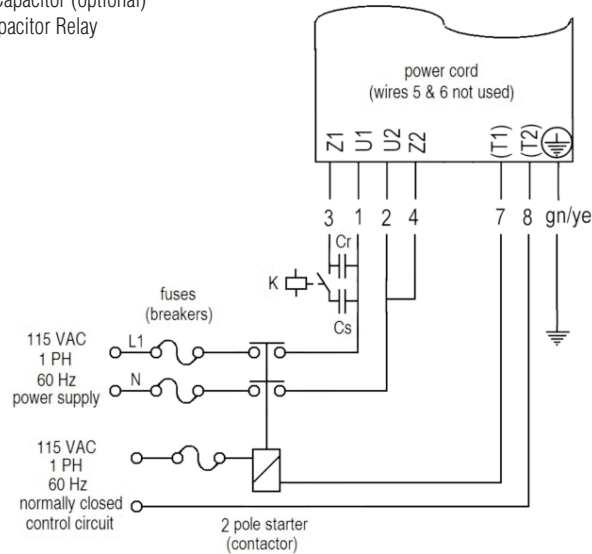
B1 & B2: Internal brake

Cr: Run Capacitor

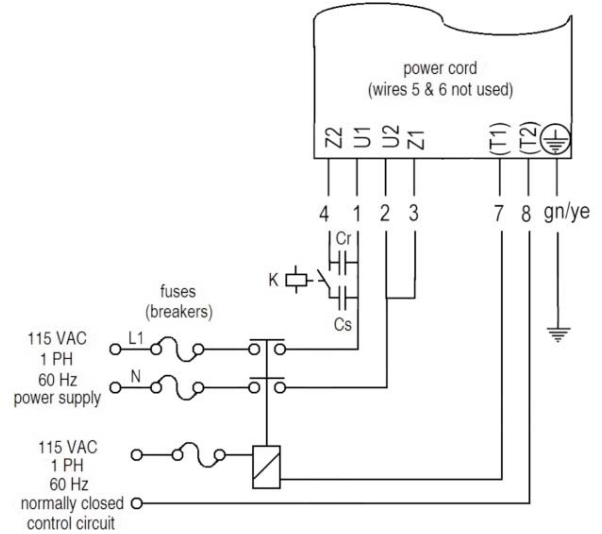
Cs: Start Capacitor (optional)

K: Start Capacitor Relay

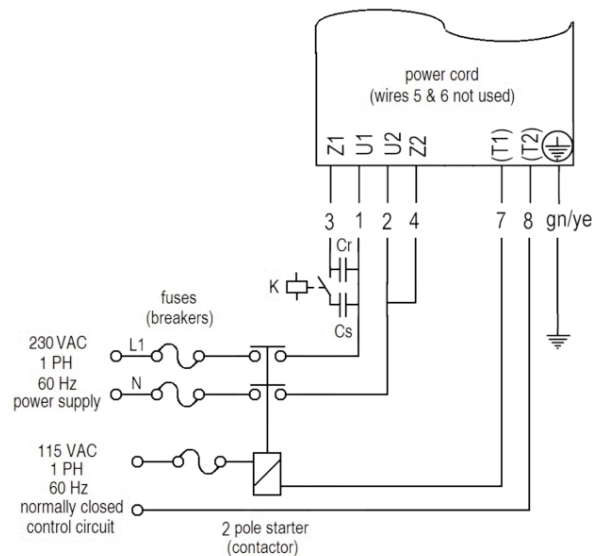
Low Voltage - Clockwise Rotation



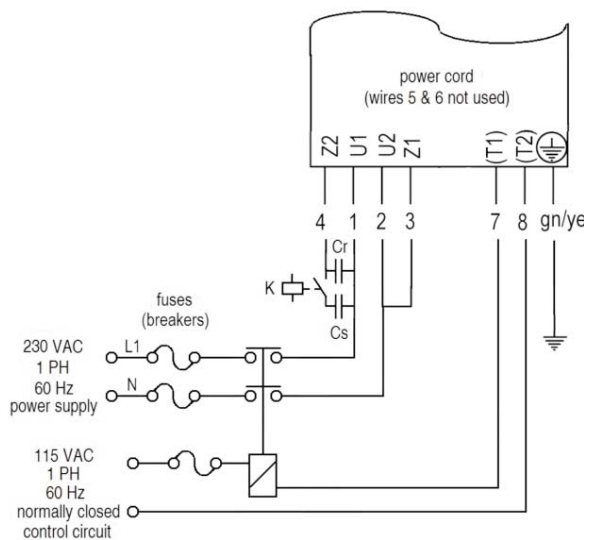
Low Voltage - Counterclockwise Rotation



High Voltage - Clockwise Rotation



High Voltage - Counterclockwise Rotation



80LS - 165LS Connection Diagrams

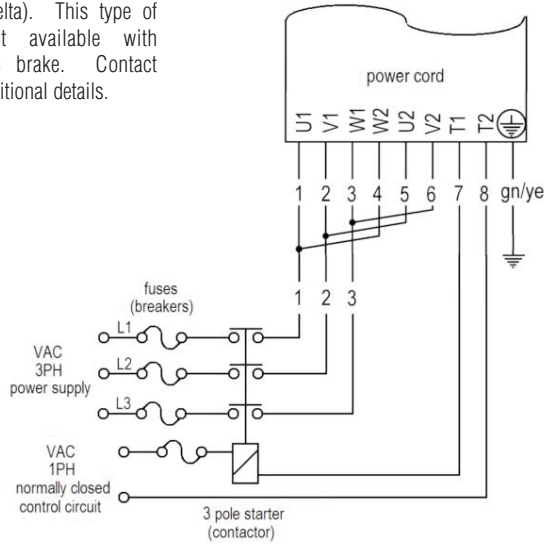
Power Cord (9 wire) - 3 Phase - European Motor



Code:
T1 & T2: Thermal protection

Note:
Motors shown on this page are dual voltage (Star/Delta). This type of motor is not available with electromagnetic brake. Contact Rulmega for additional details.

Low Voltage



High Voltage

