Interface for the Nidec stepper motor

Nidec # 44F5098007. 25 steps, 14.40 degrees/step. 1.95" diameter x 0.9" high. Attached to 0.22" long x 0.15" (4mm) diameter shaft is a 0.58" diameter aluminum pulley. Nine, two inch wire leads. All Electronics CAT# SMT-56

1) brown, yellow, orange wires connect to the ABC coils
2) the other wires are sensor output signals that could be used for speed control
3) to rotate the motor, activate the ABC coils in a six-step sequence
   ..., 111, 110, 100, 000, 001, 011, ...

[Diagram of coil voltage pattern]

http://home.clear.net.nz/pages/joecolquitt/0hdd.html

One possible interface

[Diagram of L293 interface]