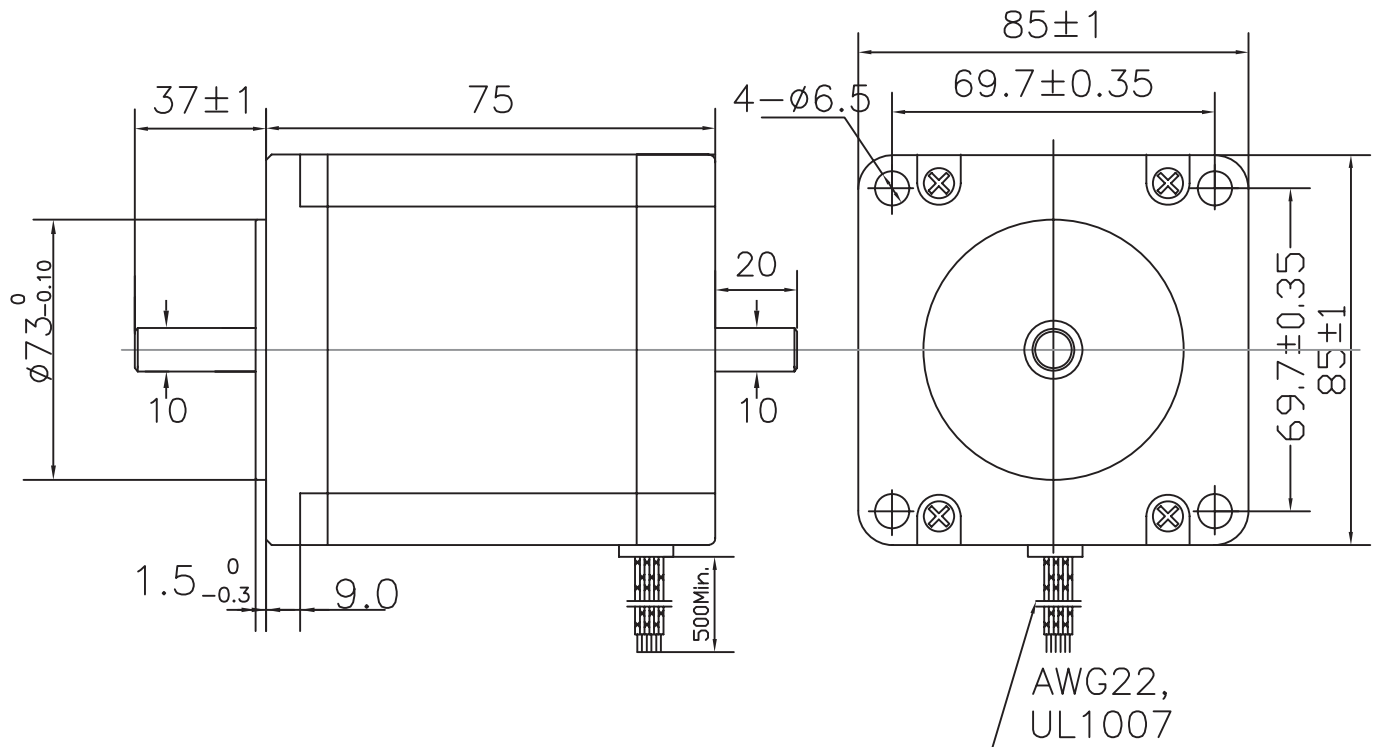


HYBRID STEPPING MOTOR

MODEL 160-010-00450

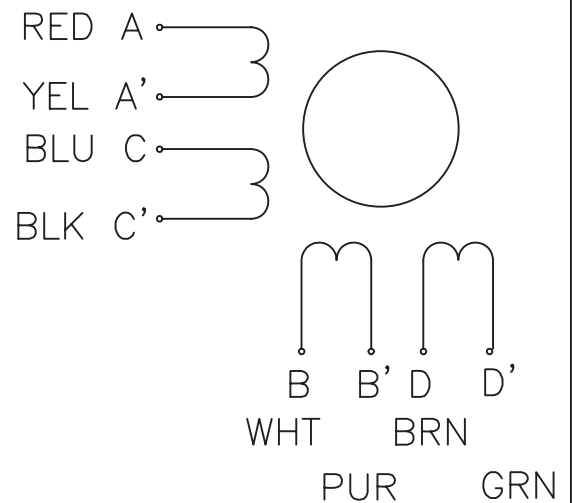


Unit: mm

SPECIFICATION

STEP ANGLE	1.8° / STEP	
VOLTAGE	3.36V (Parallel)	4.8V (serial)
CURRENT	4.2 A/PHASE	3A
RESISTANCE	0.8 Ω /PHASE	1.6Ω
INDUCTANCE	3.5 mH/PHASE	14mH
HOLDING TORQUE	3.5Nm	5Nm
MOTOR LENGTH	75mm	
ROTOR INERTIA		
MOTOR WEIGHT		

WIRING DIAGRAM



Arc Euro Trade

Motor connections for Arc Euro Trade Stepper Motors

160-010-00450: 350Ncm, 4.2A/Phase, 10mm Shaft

For BIPOLAR SERIES:

Join YELLOW A to BLUE C and insulate connection
Join PURPLE B to BROWN D and insulate connection
Winding One then equals RED and BLACK
Winding Two then equals WHITE and GREEN

For BIPOLAR PARALLEL:

Join RED to BLUE
Join YELLOW to BLACK. This is then Winding One.
Join WHITE to BROWN
Join PURPLE to GREEN. This is then Winding Two.

For UNIPOLAR FOUR PHASE:

Use RED, BLACK, WHITE and GREEN as the PHASE wires.
Join YELLOW to BLUE, and PURPLE to BROWN; these then become the POWER connections.
The phase sequence is RED, GREEN, BLACK WHITE (or WHITE, BLACK, GREEN, RED for reverse).

The Arc Euro Trade **160-020-00200 7.8A** controller will drive this motor at the rated power if set up correctly and connected to a **smoothed DC power supply rated at 2x the current setting used on the controller.**

We regret we are unable to advise you on the suitability of these motors for any application.