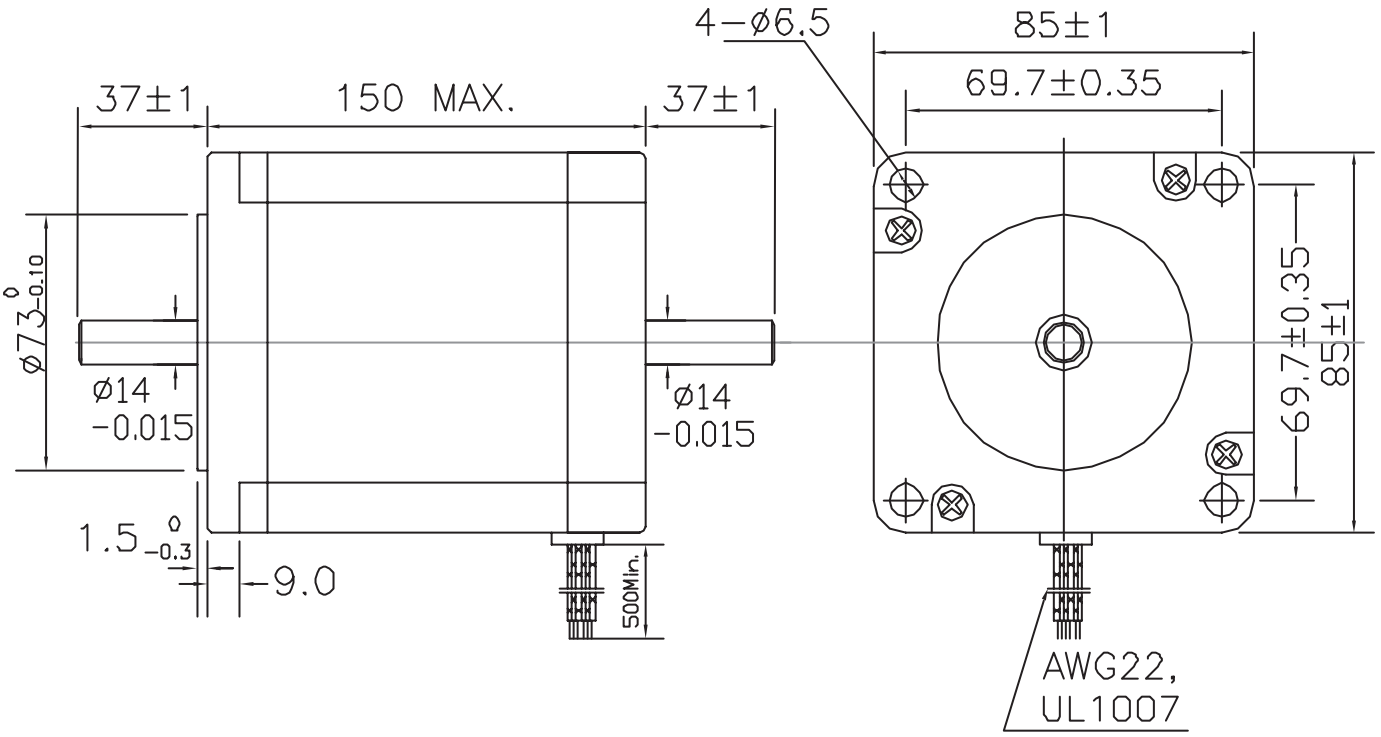
HYBRID STEPPING MOTOR

MODEL 160-010-00500

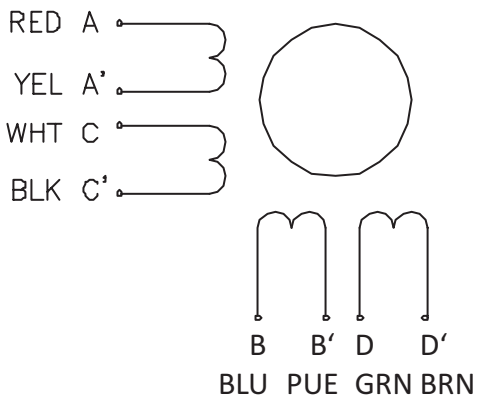


Unit: mm

SPECIFICATION

STEP ANGLE	1.8° / STEP
VOLTAGE	5V
CURRENT	4.2A/PHASE
RESISTANCE	1.2o /PHASE
INDUCTANCE	7.5 mH/PHASE
HOLDING TORQUE	6.5N.m
MOTOR LENGTH	150mm
ROTOR INERTIA	4kg.cm^2
MOTOR WEIGHT	5.25KG

WIRING DIAGRAM



DESIGN					
CHECK					

Arc Euro Trade

Motor connections for Arc Euro Trade Stepper Motor

160-010-00500: 650Ncm, 4.2A/Phase, 14mm Shaft

For BIPOLAR SERIES:

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

For BIPOLAR PARALLEL:

Join RED A to WHITE C
Join YELLOW A' to BLACK C'. This is then Winding One.
Join BLUE B to GREEN D
Join PURPLE B' to BROWN D'. This is then Winding Two.

For UNIPOLAR FOUR PHASE:

Use RED A, WHITE C, BLUE B and GREEN D as the PHASE wires.
Join YELLOW A' to BLACK C', and PURPLE B' to BROWN D';
these then become the POWER connections.

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.