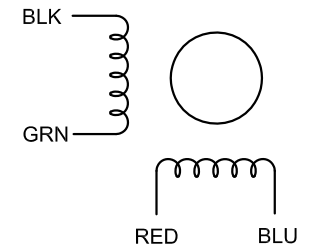


SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		2.90
RESISTANCE/PHASE(Ohms)@25°C		1.13±10%
INDUCTANCE/PHASE(mH)@1KHz		4.80±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]		1.89[16.73]
GEAR RATIO		50
EFFICIENCY		90.00%
STEP ANGLE(°)		1.80
BACKLASH@NO-LOAD		<=50
MAX.PERMISSIBLE TORQUE(Nm)		20.00
MOMENT PERMISSIBLE TORWUE(Nm)		40.00
SHAFT MAXIMUM AXIAL LOAD(N)		200.00
SHAFT MAXIMUM RADIAL LOAD(N)		400.00
TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED)		
AMBIENT TEMPERATURE -10°C~50°C[14°F~122°F]		
INSULATION CLASS B 130°C[266°F]		

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	BLK	A
2	A\ —	GRN	A\
3	B —	RED	B
4	B\ —	BLU	B\

FULL STEP 2 PHASE-Ex. ,  
WHEN FACING MOUNTING END (X)

STEP	A	B	A\	B\		CCW
1	+	+	-	-	↓	↑
2	-	+	+	-		
3	-	-	+	+	↑	↓
4	+	-	-	+		



APVD		6.20.2022
CHKD		
1:1	DRN	
SCALE	SIGNATURE	DATE

**STEPPER MOTOR**  
**23HS30-2904S-TQMG50**