



SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		0.67
RESISTANCE/PHASE(Ohms)@25°C		12.00±10%
INDUCTANCE/PHASE(mH)@1KHz		7.50±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]		0.14[1.24]
GEAR RATIO		16
EFFICIENCY		94.00%
STEP ANGLE w/o GEARBOX(°)		1.80
BACKLASH@NO-LOAD(arcmin)		≤20
MAX.PERMISSIBLE TORQUE(Nm)		4.00
MOMENT PERMISSIBLE TORQUE(Nm)		8.00
SHAFT MAXIMUM AXIAL LOAD(N)		100.00
SHAFT MAXIMUM RADIAL LOAD(N)		300.00
WEIGHT(Kg)[lb]		—
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	+	-	-	+		

ENCODER CONNECTION:1000PPR(4000CPR)

LEAD COLOR	RED	BLK	BRN	ORG	BLU	GRN	YEL	WHT
DESCRIPTION	+5V	EGND	EA+	EA-	EB+	EB-	EZ+	EZ-



APVD		22.5.2023
CHKD		
1.5:1	DRN	
SCALE	SIGNATURE	DATE

**STEPPER MOTOR**

**11HS20-0674D-EGS16-AR4**