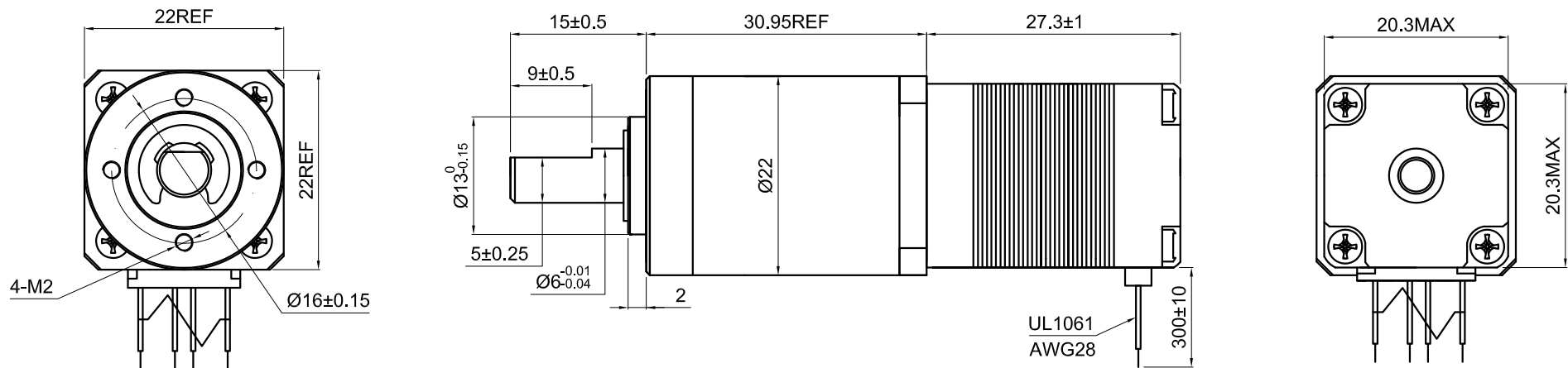




SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		0.20
RESISTANCE/PHASE(Ohms)@25°C		24±10%
INDUCTANCE/PHASE(mH)@1KHz		8±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]		0.014[0.12]
GEAR RATIO		90.25
EFFICIENCY		73.00%
STEP ANGLE w/o GEARBOX(°)		1.80
BACKLASH@NO-LOAD		<=1°
MAX.PERMISSIBLE TORQUE(Nm)		0.90
MOMENT PERMISSIBLE TORQUE(Nm)		2.00
SHAFT MAXIMUM AXIAL LOAD(N)		5.00
SHAFT MAXIMUM RADIAL LOAD(N)		25.00
WEIGHT(Kg)[lb]		0.086[0.19]
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]		
		APVD
		CHKD
1.5:1		DRN
SCALE		SIGNATURE
		DATE
12.13.2019		
STEPPER MOTOR		
8HS11-0204S-PG90		

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\		
1	+	+	-	-	↓	CCW
2	-	+	+	-		
3	-	-	+	+	↑	CW
4	+	-	-	+		

