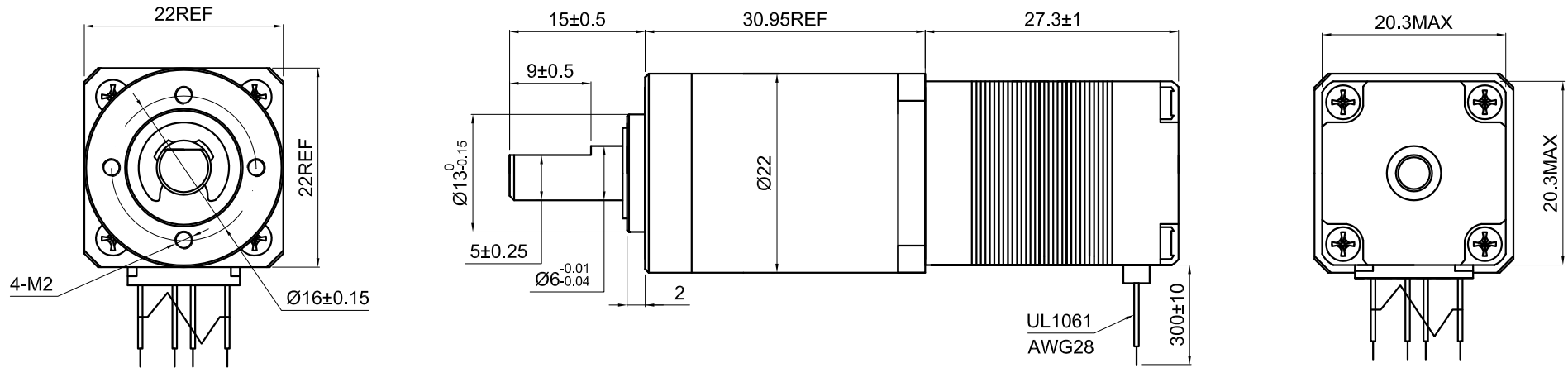
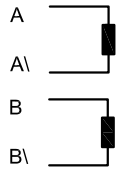




SPECIFICATION	CONNECTION	BIPOLAR				
AMPS/PHASE		0.20				
RESISTANCE/PHASE(Ohms)@25°C		24±10%				
INDUCTANCE/PHASE(mH)@1KHz		8±20%				
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]		0.014[0.12]				
GEAR RATIO		90.25				
EFFICIENCY		73.00%				
STEP ANGLE w/o GEARBOX(°)		1.80				
BACKLASH@NO-LOAD		<=1°				
MAX.PERMISSIBLE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

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

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

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

