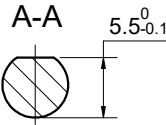
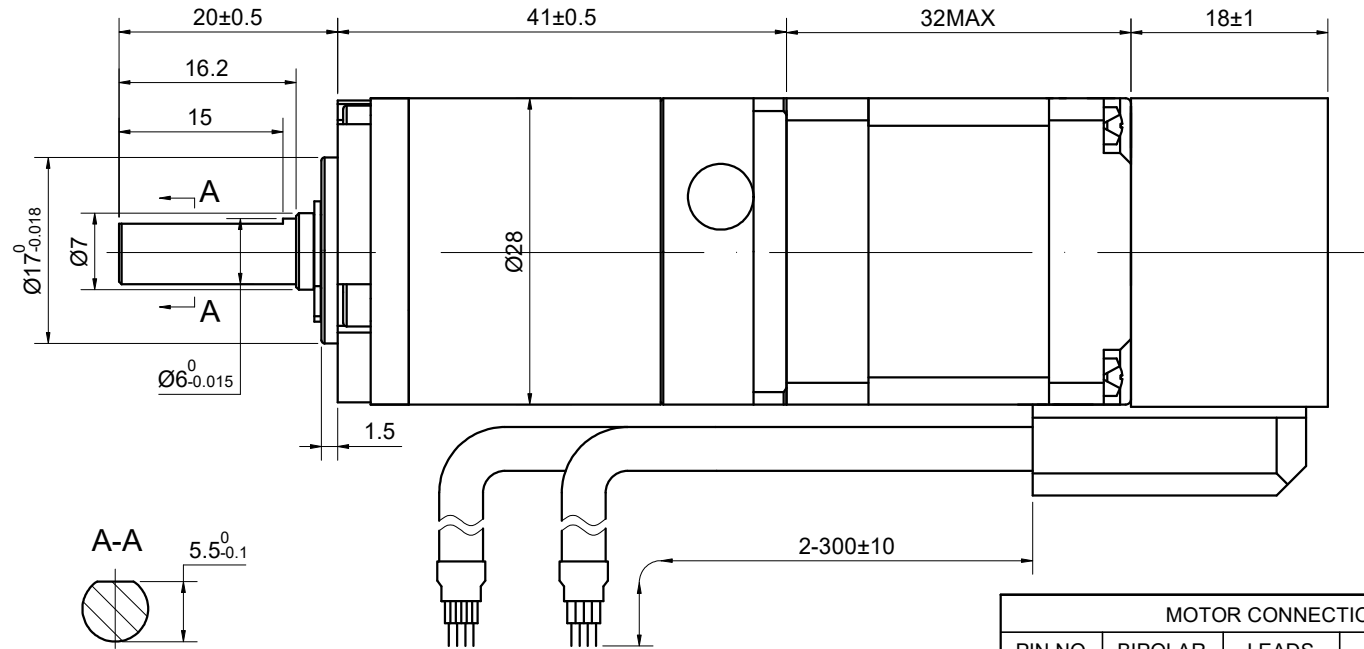
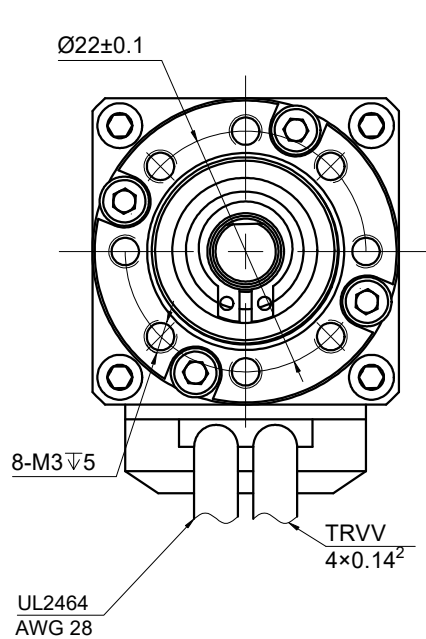


MODEL NO.	11HS12-1004D-E1000-EGS50	DWG NO.	A6040
-----------	--------------------------	---------	-------

CUSTOMER'S MODEL: NO MODEL
END COVER COLOR: BLACK

REV.	REVISION RECORD	BY	DATE
0	ORIGIN	ZPJ	3.23.2026



STEPPER MOTOR
11HS12-1004D-E1000-EGS50
S/N: XXXXXXXXXXXXX



MOTOR CONNECTION			
PIN NO	BIPOLAR	LEADS	WINDING
1	A+	BLK	
2	A-	GRN	
3	B+	RED	
4	B-	BLU	

SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		1.00
RESISTANCE/PHASE(Ohms)@25°C		2.00±10%
INDUCTANCE/PHASE(mH)@1KHz		1.50±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]		0.06[0.53]
STEP ANGLE w/o GEARBOX(°)		1.80
GEAR RATIO		50
GEAR EFFICIENCY		94%
BACKLASH@NO-LOAD		<=20 arcmin
MAX.PERMISSIBLE TORQUE(Nm)		3.00
MOMENT PERMISSIBLE TORQUE(Nm)		6.00
AMBIENT TEMPERATURE		-10°C~50°C[14°F~122°F]
INSULATION CLASS		B 130°C[266°F]
TEMPERATURE RISE		MAX.80°C

COMMENT:
1.DYNAMIC AXIAL LOAD: 100N MAX
2.DYNAMIC RADIAL LOAD: 300N MAX
3.TMBF 6000h OR MORE @ 24V/300RPM
4.INSULATION RESISTANCE
(NORMAL TEMPERATURE AND HUMIDITY): 100 Mohm
5.DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE)

FULL STEP 2 PHASE-Ex.,WHEN FACING MOUNTING END (X)					
STEP	A+	B+	A-	B-	
1	+	+	-	-	
2	-	+	+	-	
3	-	-	+	+	
4	+	-	-	+	

DIMENSIONS ARE IN MILLIMETERS.	
TOLERANCES AS BELOW:	ANGLES
X ±0.5	±2°
X.X ±0.25	
X.XX ±0.13	
THIRD ANGLE PROJECTION	

ENCODER RESOLUTION:1000PPR(4000CPR)

LEAD COLOR	RED	BLK	WHT	YEL	ORG	GRA	GRN	BLU
DESCRIPTION	VCC	GND	EA+	EA-	EB+	EB-	EZ+	EZ-

STEPPERONLINE®

GEARED STEPPER MOTOR

11HS12-1004D-E1000-EGS50

THIS DOCUMENT SHALL NOT BE REPRODUCED
NOR SHALL THE INFORMATION CONTAINED
HEREIN BE USED BY OR DISCLOSED TO
OTHERS UNLESS EXPRESSLY AUTHORIZED IN
BY WRITING STEPPERONLINE.

SIGNATURE		DATE
DRN	ZPJ	3.23.2026
APVD	LDJ	3.23.2026

REV.	0	SCALE	1:1	DWG NO.	A6040
------	---	-------	-----	---------	-------