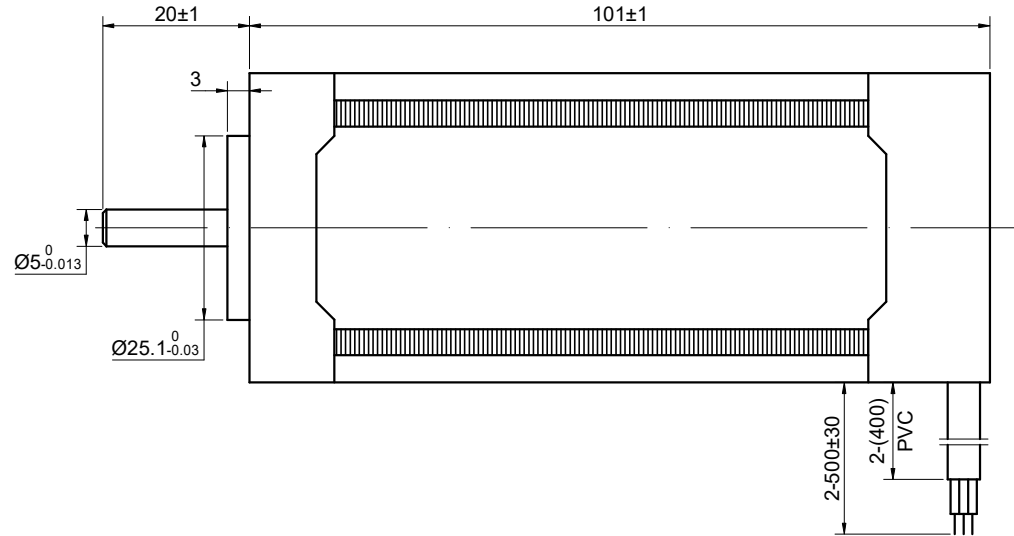
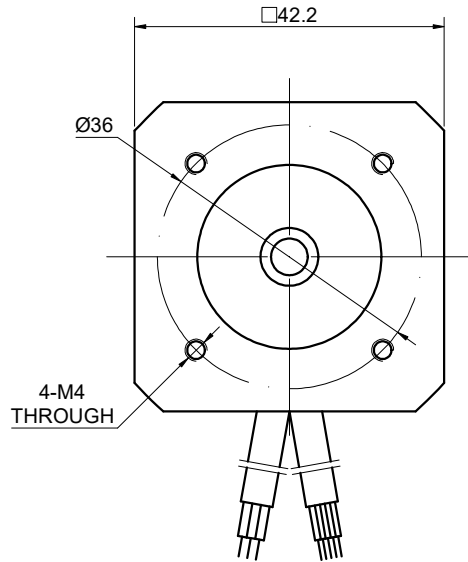


MODEL NO.	42BSB101-48-01	DWG NO.	A3133
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CUSTOMER'S MODEL: NO MODEL
END COVER COLOR: GRAY

REV.	REVISION RECORD	BY	DATE
0	ORIGIN	ZPJ	4.10.2024



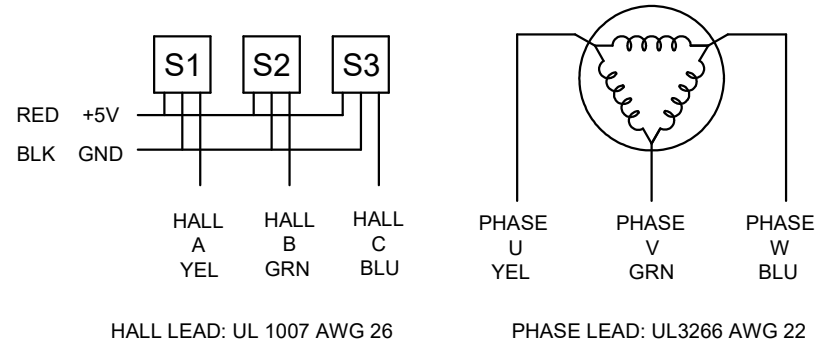
SPECIFICATION	VALUE
NO. of PHASES	3
NO. of POLES	8
RESISTANCE/PHASE(Ohms)@25°C	TBD±10%
INDUCTANCE/PHASE(mH)@1KHz	TBD±20%
RATED VOLTAGE(V)	48
RATED TORQUE(N.m)[lb-in]	0.25[2.21]
RATED POWER(W)	79
RATED SPEED(RPM)	3000±10%
RATED CURRENT(A)	2.30
NO LOAD SPEED(RPM)	4100±10%
WEIGHT(kg)	—
BACK EMF(V/krpm)	8.20±5%
SENSOR	HALL
AMBIENT TEMPERATURE	-10°C~50°C[14°F~122°F]
INSULATION CLASS	B 130°C[266°F]
TEMPERATURE RISE	MAX.80°C

COMMENT:
1.INSULATION RESISTANCE
(NORMAL TEMPERATURE AND HUMIDITY): 50 Mohm
2.DIELECTRIC STRENGTH: AC1200V CUT OFF CURRENT 2mA FOR 1S

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.

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

THIRD ANGLE PROJECTION



STEPPERONLINE®

BRUSHLESS DC MOTOR

42BSB101-48-01

SIGNATURE		DATE
DRN	ZPJ	4.10.2024
APVD	HW	4.10.2024

REV.	0	SCALE	1:1	DWG NO.	A3133
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