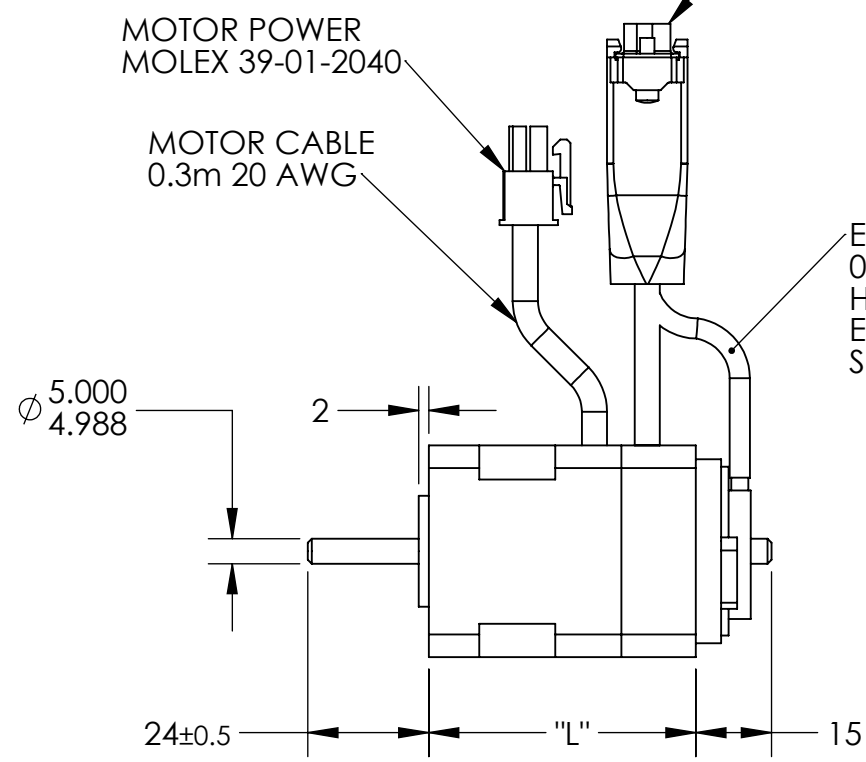
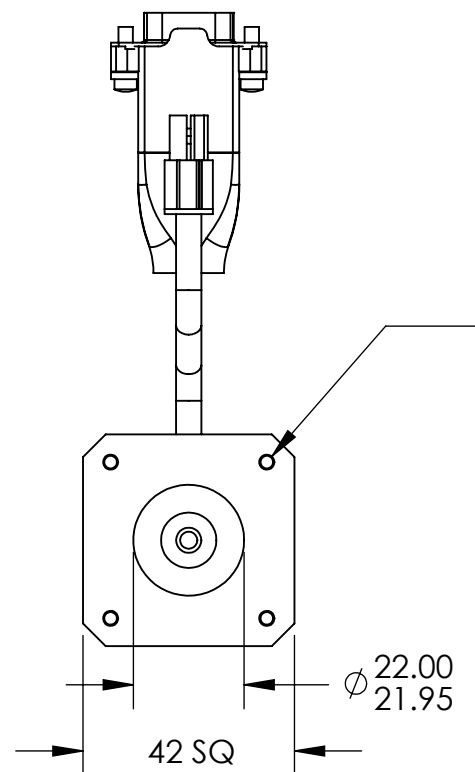


NOTES:

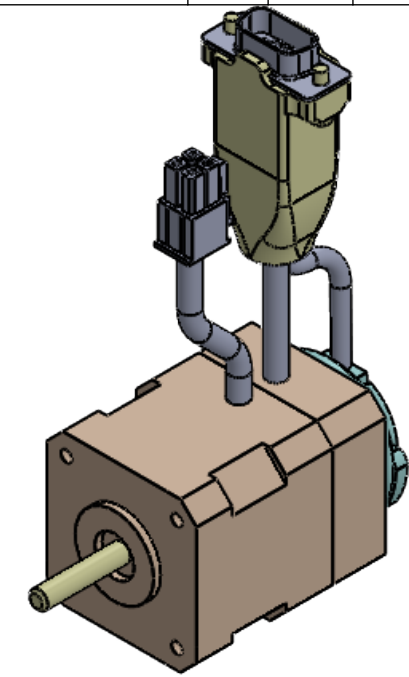
1. Kt AND Ke BASED ON PEAK SINE WAVE
2. 8 POLE DESIGN
3. OPTIONAL MULTI-TURN ABSOLUTE ENCODER
BISS-C OUTPUT, 17 BIT RESOLUTION, 16 BIT TURNS,
No BATTERY REQUIRED
4. OPTIONAL FAIL SAFE BRAKE, 0.1 N-m, 24 VDC
ADD 49 mm TO "L"

PART REVISION HISTORY

REV.	DESCRIPTION	ECO	DWN	CHKD	DATE



ENCODER/HALL
0.3m
HALLS 24 AWG
ENCODER 28 AWG
SHIELD CABLE



MOTOR PARAMETERS

		E017-1A	E017-2A	E017-3A
NOMINAL VOLTAGE	VDC	24	24	24
RATE SPEED	RPM	3000	3000	3000
RATED TORQUE	Nm	0.1	0.2	0.3
PEAK TORQUE	Nm	0.3	0.6	0.9
CONTINUOUS CURRENT	AMPS (RMS)	2.5	4.4	5.2
PEAK CURRENT	AMPS (RMS)	7.5	13.2	15.6
VOLTAGE CONSTANT, Ke	V/KRPM (RMS)	4.3	4.3	4.3
TORQUE CONSTANT, Kt	Nm/A (RMS)	.04	.04	.04
RESISTANCE	OHM	2.4	0.85	0.61
INDUCTANCE	mH	1.35	0.63	0.38
MOMENT OF INERTIA	Kg-cm ²	.042	.084	.126
"L" LENGTH	mm	53	72	90
WEIGHT	Kg	0.36	0.5	0.6

FEEDBACK

Pin	Color	Function
1	Red	5 vdc
2	Black	GND
3	Brown	Chl A
4	White	Chl A/
5	Blue	Chl B
6	Green	Chl B/
7	Orange	Index
8	Yellow	Index/
9	Red	Hall 5 vdc
10	Black	Hall GND
11	Yellow	Hall A
12	Green	Hall B
13	Blue	Hall C
14		
15	Shield	Shield

MOTOR CONNECTOR

MOLEX 39-01-2040		
POS	COLOR	VALUE
1	YELLOW	PHASE R
2	GREEN	PHASE S
3	BLUE	PHASE T
4		

NOTICE ON REPRODUCTIONS
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TOLERANCES UNLESS OTHERWISE SPECIFIED (U.O.S.)
 DECIMALS .XX = ± .01
 .XXX = ± .005
 .XXXX = ± .0005
 C'BREAKS .010/.020
 FILLETS .020 MAX
 FRAC. 1/64
 MACH. FIN. 125
 ANGLES 1°



TITLE: BL MOTOR, NEMA17, 24 VDC
5000 PPR

DRAWN	JPB	DATE	02/08/22	SIZE	B	PART NO.	E017 -XA-MX5000-NN-001	PART REV.	A
CHECKED	TPB	DATE	02/08/22	SCALE:	NONE	SHEET 1 OF 1	DWG.NO. R		