



## Options



Gearboxes



Drive

## Characteristics

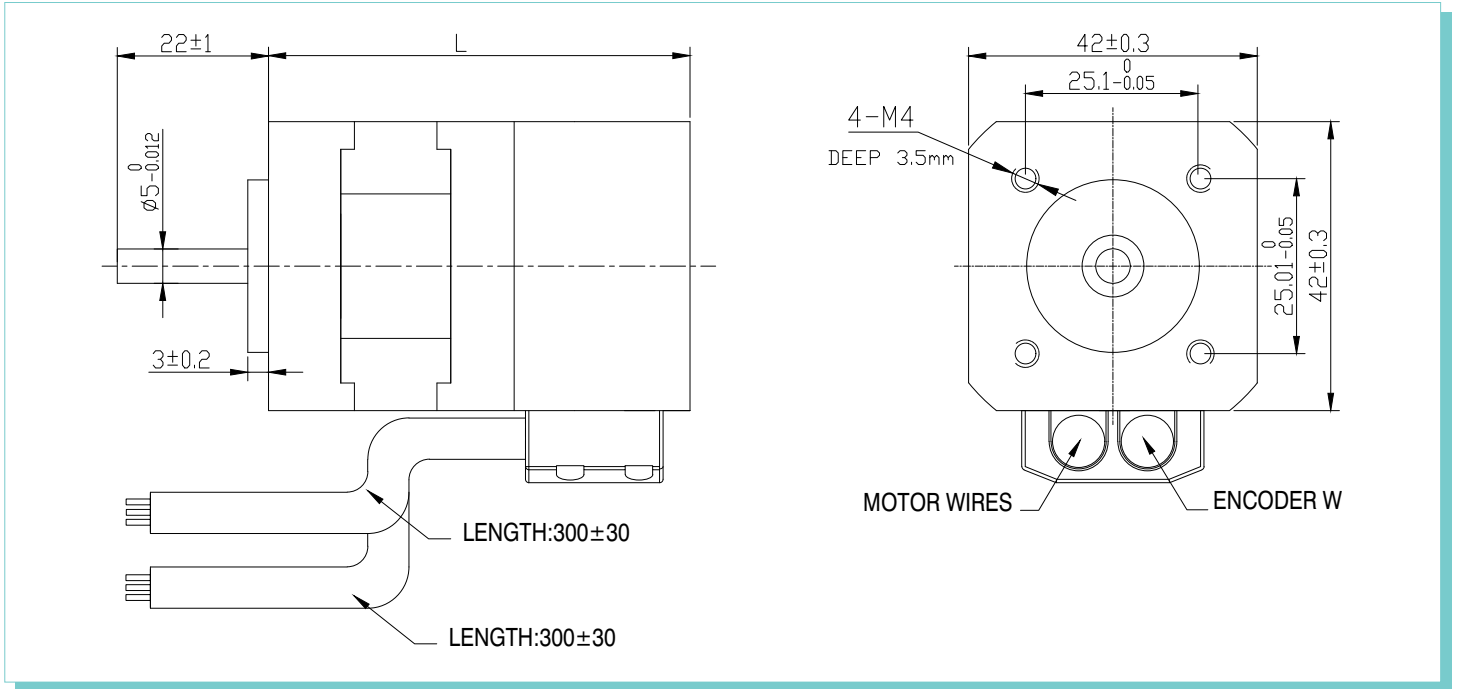
Number of pole	8
Number of phase	3
Hall effect angle	120°
Shaft run out	0,025 mm
Encoder Type*	Optical - Incremental 1000 CPR / 2 Channels
Insulation Class	B
Max radial force (20mm from flange)	28N
Max axial force	10N
Dielectric Strength (for 1 min)	500 VDC
Insulation Resistance (min. 500 VDC)	100 Mohm

## Model

	Rated Voltage V	Rated Speed RPM	Rated Torque Nm	Max Peak Torque Nm	Torque Constant Nm/A	Line to Line Resistance Ω	Line to Line Inductance mH	Max Peak Current A	No-Load Current mA	Rotor Inertia g-cm <sup>2</sup>	Weight Kg	Length mm
BL42061-026E.000	24	4.000	0,062	0,19	0,035	1,50	2,10	6	200	24	0,30	61,3
BL42081-050E.000	24	4.000	0,125	0,38	0,036	0,80	1,20	10,8	240	48	0,45	81,3
BL42101-074E.000	24	4.000	0,185	0,56	0,036	0,43	0,71	15,5	400	72	0,65	101,3
BL42121-100E.000	24	4.000	0,250	0,75	0,036	0,30	0,50	21,7	450	96	0,80	121,3

## Product Combination

Family Name	Code	Communication Bus	Page
Gemini	B400B30T001-S200	Ethernet ModBus TCP	6
Gemini	B400B30E001-S402	Ethercat	6
Gemini	B400B30C001-S402	Can Open	6
Gemini	B400B30M001-S200	ModBus 485	6



## Connection

No.	Lead Color	Wire Gauge	Function	Description
1	Red/White	AWG26	GND	Ground
2	Red		VCC: +5VDC	Positive supply voltage
3	Blue		EA-	Encoder
4	Blue/Black		EA+	
5	Black		EB-	
6	Black/White		EB+	
7	Brown	AWG18	HALL A	Hall Sensor
8	Orange		HALL B	
9	Yellow		HALL C	
1	Yellow	AWG18	Phase U	Motor Phase
2	Red		Phase V	
3	Black		Phase W	

\* 3 Channel encoder or other encoder type possible (On request)