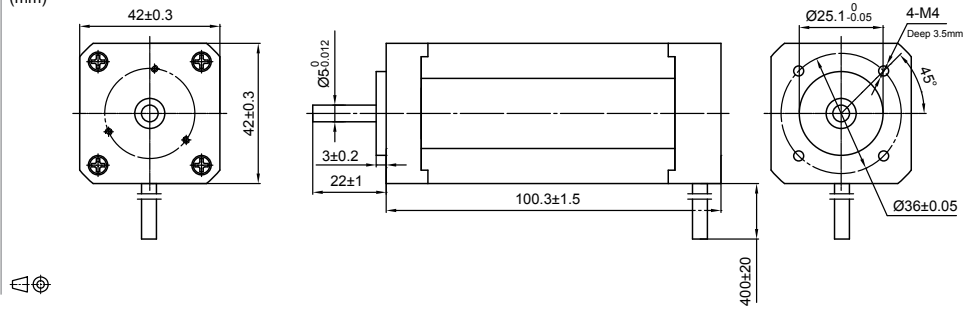


B42100 / Ø 42mm

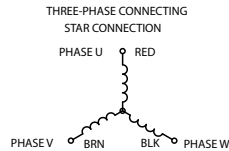
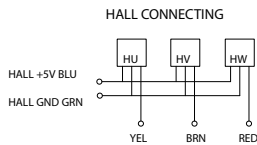
DRAWING (mm)



PHOTO



HALL CONNECTING



MODEL NO. DESIGNATION

MODEL - VOLTAGE

Example: B42100-12

MOTOR DATA

	Units	B42100-24		Units	B42100
Nominal voltage	V	24	Ambient temperature	°C	-15...+40
Nominal power	W	105	Max. permissible winding temperature	°C	120
No load speed	rpm	6300	Max. permissible speed	rpm	20000
No load current	mA	500	Axial play at axial load < 3,5 N	mm	0,1
Nominal speed	rpm	4000	Axial play at axial load > 3,5 N	mm	0,6
Nominal torque	mNm	300	Max. axial load (dynamic)	N	10
Nominal current	A	6,5	Max. force for press fits (static)	N	200
Stall torque	mNm	750	Max. force for press fits (static, shaft supported)	N	200
Starting current	A	25,4	Max. radial loading, 10 mm from flange	N	28
Max. Efficiency	%	77,4	Number of pole pairs		4
Terminal resistance phase to phase	Ω	0,3	Number of phases		3
Terminal inductance phase to phase	mH	0,49	Weight	g	800
Torque constant	mNm / A	35,5			
Speed constant	rpm / V	382			
Mechanical time constant	ms	7,53			
Rotor inertia	gcm ²	96			