

BLDC Motor Type BL57S

PowerTronic



Technical Data

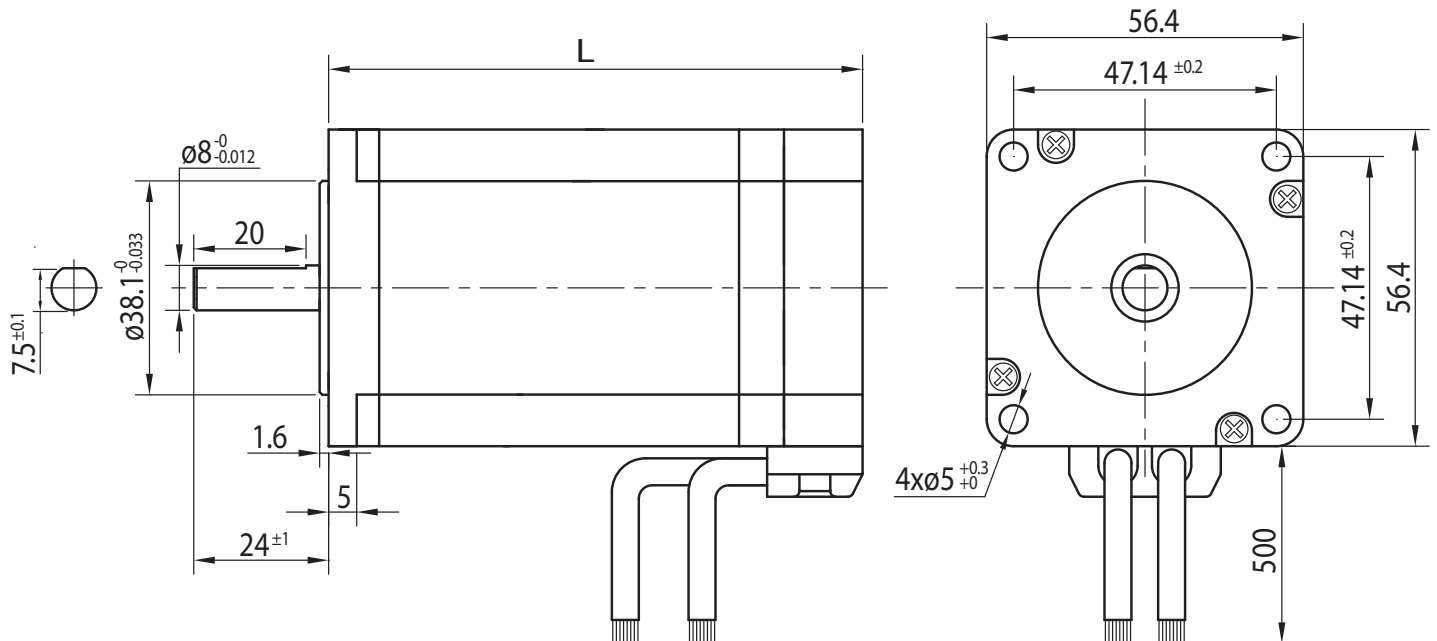
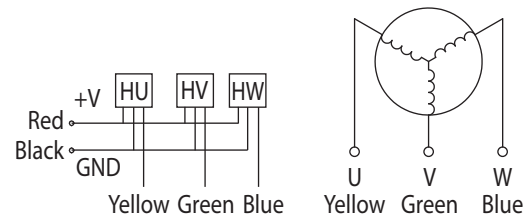
Model	BL57.58S	BL57.78S	BL57.98S
Rated Voltage (V)	48	48	48
Rated Speed (min ⁻¹)	3000	3000	3000
Rated Torque (Ncm)	20	40	60
Rated Power (W)	63	125	188
Rated Current (A)	1.6	3.3	5.0
Peak Current (A)	4.8	9.9	15.0
Peak Torque (Ncm)	60	120	180
Rotor Inertia (gcm ²)	420	630	910
Torque Constant (Ncm/A)	12.5	12.1	12.0
Back EMF (V/min ⁻¹)	13.08	12.71	12.56
Resistance (Ω)	1.11	0.93	0.52
Inductance (mH)	0.91	0.65	0.43
Length (mm)	58	78	98
Net Weight (kg)	1.0	1.4	1.8
No. of Poles	8		
No. of Phases	3		
Insulation Class	B		

Rel. Humidity: 20 to 85 % | Ambient Temp.: - 20 to + 50 °C

Connections

UL1007 AWG26	
Red	Vcc
Yellow	Ha
Green	Hb
Blue	Hc
Black	GND

UL3266 AWG22	
Yellow	U
Green	V
Blue	W



Options

Encoder	Special Shaft
Rear Shaft	Special Voltage
Connector	Insulation Class F/H