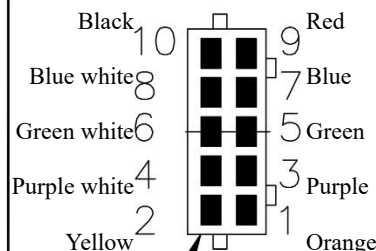


Direction P

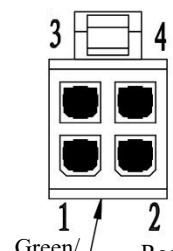
Encoder signal-end
interface
2:1

Motor wire
interface
1:1

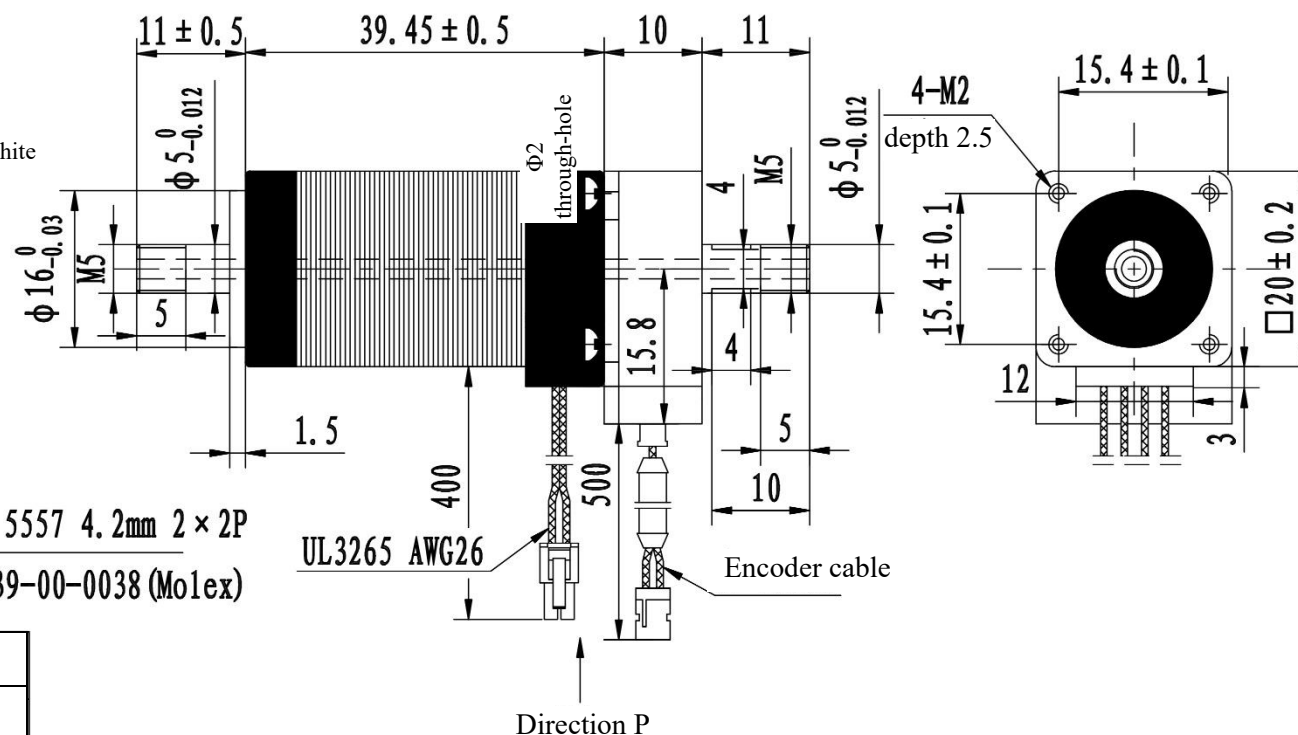
B Green A Red/White



Connector: PHD-2 × 5P
Terminal: DF11-2428SCF



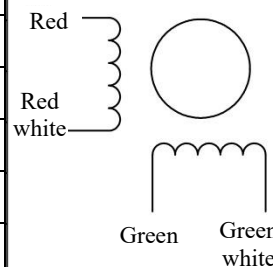
Connector: 5557 4.2mm 2 × 2P
Terminal: 39-00-0038 (Molex)



General parameters & standard parameters

Step angle	1.8°
Number of phases	2
Insulation resistance	100MΩmin. (500V DC)
Insulation level	Class B
Moment of inertia	3g.cm ²
Weight	0.08kg
Drive motor	24V
Rated current	0.6A
Phase resistance	6Ω±10%
Phase inductance	2mH±20%
Holding torque	32mN.m
Position torque	4mN.m

Wiring Diagram



Note: 1. The concentricity of φ2 through-hole of the motor shaft is not guaranteed and it is only used for ventilation.

MATERIAL	---	2							
		1							
FINISH	---	0	'20-01-16	---	00 First version	Xu Yuanhao			Y07-20D1-4402-E2000
		SYM	DATE	REVISION NO.	REVISIONS	BY			NOTE
DRAWN	DESIGNED	CHECKED	CHECKED	SCALE	FREE	TITLE	MOTR SPECIFICATION		THIRD ANGLE PROJECTION
Dongguan Kaifull '20-01-16 Xu Yuanhao	Dongguan Kaifull '20-01-16 Xu Yuanhao					DWG.NO.	Y-20-0116-0		
DONGGUAN KAIFULL CO.,LTD.							SHEET		1/2

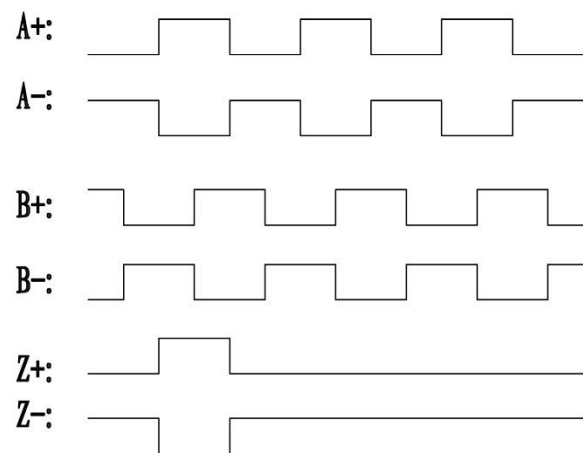
Environmental conditions

Operation temperature	- 20°C~ 85°C
Storage temperature	- 40°C~ 85°C
Humidity	RH 90% max. non-condensing environment

Encoder resolution: 1000

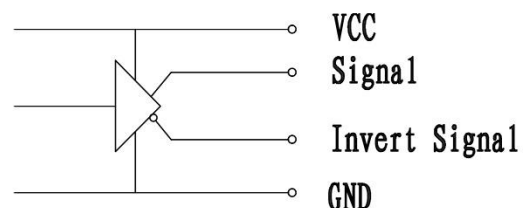
Output mode: Voltage output

Output waveform



Supply voltage	+5VDC (max. 7VDC)
Current consumption	30mA
Limit frequency	120 KHz
Limit speed	6600r/min
Pulse width	180±50° e
Phase offset	90±50° e
Maximum output current of each channel	150mA
Signal level	Low: 0V; high: +3.5V Without load, +3V with load

Output circuit: (Linear drive)



Technical drawing of a cable assembly. The drawing shows a cable with a cross-section of $8 \times 0.12^2 \text{ mm}$ (Eight-core shielded cable). The cable is covered by a Black heat shrinkable tube. The assembly is shown in two views: a side view and a cross-sectional view. The side view shows the cable with a length of 500. The cross-sectional view shows the cable with a diameter of 15 and a length of 35. The cable is connected to a Client. The drawing is labeled with 'Blank 1' and 'Blank 0'.

Encoder wiring table:

2 Blue	A+
3 Blue white	A-
4 Green white	B-
5 Green	B+
6 Purple white	Z-
7 Purple	Z+
8 Black	GND
9 Red	VCC+5V

Note: Port 1 and Port 10 (yellow line and orange line) serve as shielded cable, not connected to lines.

MATERIAL	----	2					Y07-20D1-4402-E2000	
		1						
FINISH	----	0	'20-01-16	----		00 First version	Xu Yuanhao	
		SYM	DATE	REVISION NO.	REVISIONS	BY	NOTE	
DRAWN	DESIGNED	CHECKED	CHECKED	SCALE	FREE	TITLE	MOTR SPECIFICATION	THIRD ANGLE PROJECTION
Dongguan Kaifull '20-01-16 Xu Yuanhao	Dongguan Kaifull '20-01-16 Xu Yuanhao					DWG.NO.	Y-20-0116-0	
DONGGUAN KAIFULL CO.,LTD.							SHEET	2/2