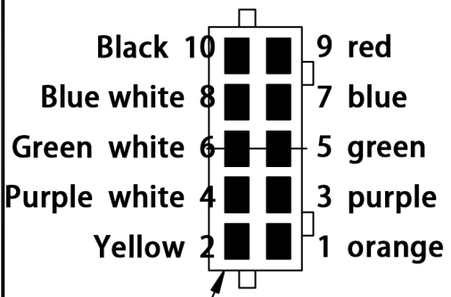
P向

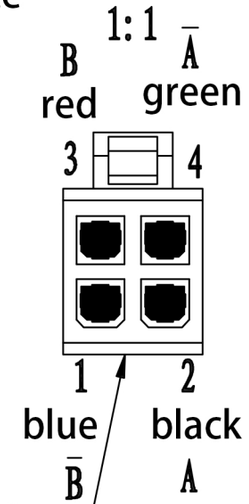
Encoder signal interface
2:1



coupler： PHD-2×5P

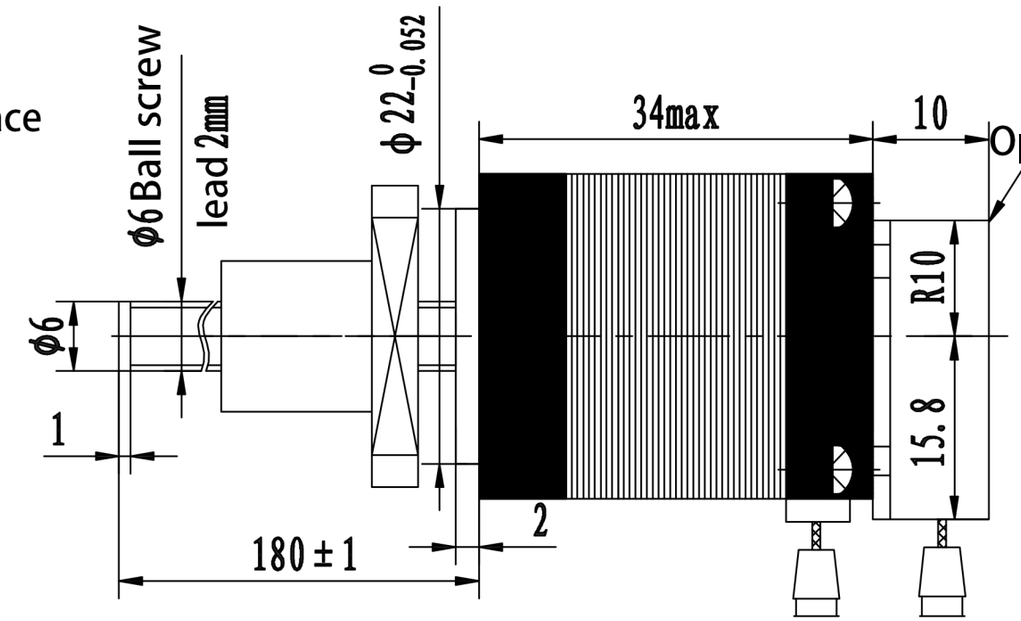
terminal： DF11-2428SCF

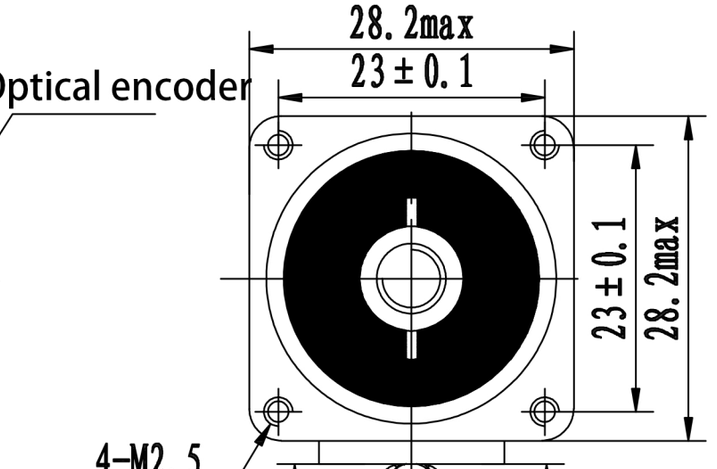
Motor line interface
1:1



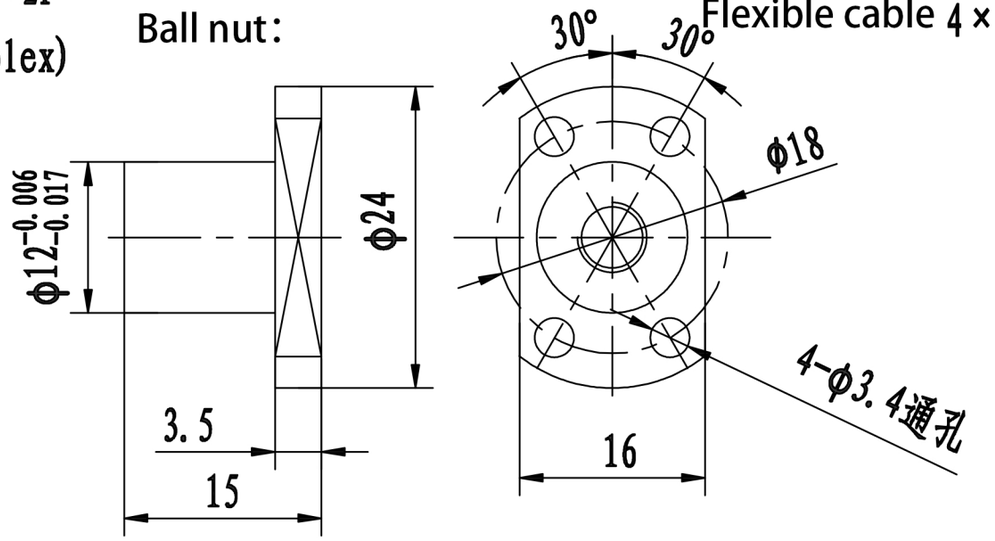
coupler：5557 4.2mm 2×2P

terminal：39-00-0038 (Molex)





Ball nut：

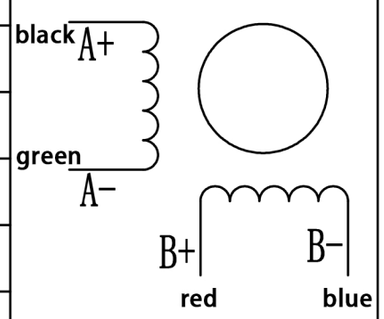


P向

Universal parameter

Step angle	1.8°
Number of phases	2
Insulation resistance	100MΩmin. (500V DC)
Insulation grade	Class B
Moment of inertia	9g.cm ^{2}
Weight	0.14kg
Drive voltage	24V
Rated current	0.67A
Phase resistance	6.5Ω±10%
Phase inductance	3.2mH±20%
Holding torque	60mN.m
Step length	0.01MM

Wiring diagram



材质 MATERIAL		2					KST-28D18-02GZ-180E-0009
		1					
表面处理 FINISH		0	'20-04-03	----	00初版	许元好	
		改版 SYM	年月日 DATE	变更票图号 REVISION NO.	变更事项 REVISIONS	设计 BY	备注 NOTE

制图 DRAWN	设计 DESIGNED	检图 CHECKED	检印 CHECKED	比例 SCALE	FREE	品名 TITLE	电机规格书 MOTR SPECIFICATION	三角法 THIRD ANGLE PROJECTION
东莞凯福 '20-04-03 许元好	东莞凯福 '20-04-03 许元好					图号 DWG.NO.	Y-20-0403-0	
						东莞市凯福电子科技有限公司 DONGGUAN KAIFULL CO.,LTD.	页 SHEET	1/2

Encoder performance parameters

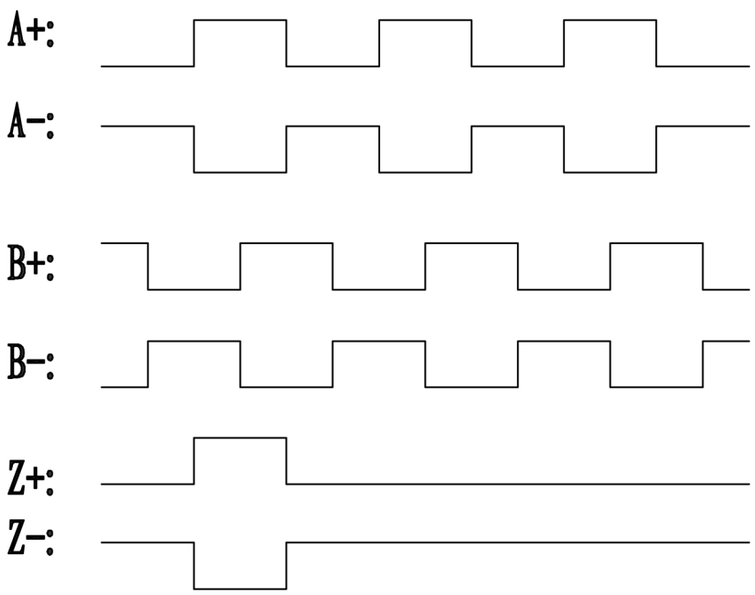
Environmental conditions

Operating temperature	-20° C ∽ 85° C
Storage temperature	-40° C ∽ 85° C
humidness	RH 90% max.非冷凝环境 Non-condensing environment

Encoder resolution : 1000

Output mode: voltage output

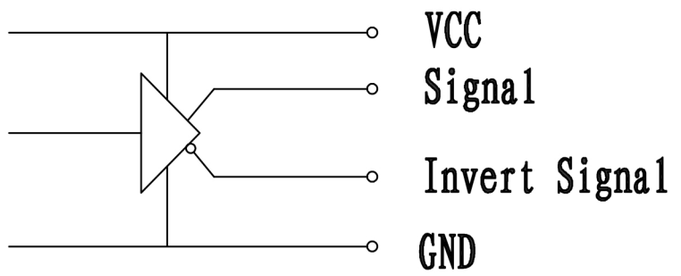
Output waveform



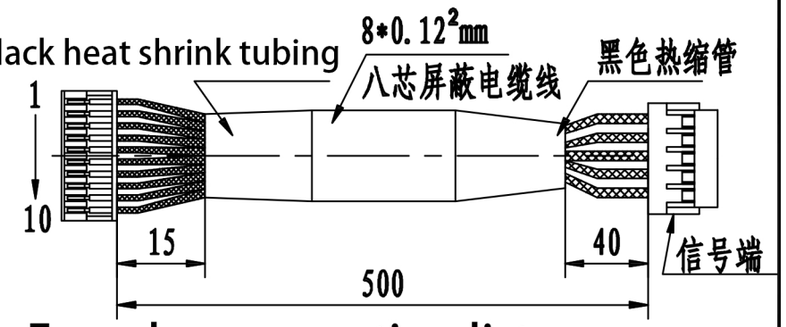
Electrical specification

Supply voltage	4.5-5.5V
Current consumption	30mA
Critical frequency	120 KHz
Critical speed	6600r/min
Pulse width	180±50° e
Phase shift	90±50° e
Maximum output current per channel	150mA
Signal level	Low OV; High +3.5V No load, +3V is loaded

Output circuit: (Linear drive)



Wiring Harness Assemblies :



Encoder connection list :

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 and orange wires) are for shielding purposes and are not connected.

材 质 MATERIAL		2					Y07-28D1-3401-02GZ-180E	
		1						
表面处理 FINISH		0	'20-04-03	----	00初版	许元好		
		改版 SYM	年 月 日 DATE	变更票图号 REVISION NO.	变 更 事 项 REVISIONS	设计 BY	备 注 NOTE	

制 图 DRAWN	设 计 DESIGNED	检 图 CHECKED	检 印 CHECKED	比例 SCALE	FREE	品 名 TITLE	电机规格书 MOTR SPECIFICATION	三角法 THIRD ANGLE PROJECTION
东莞凯福 '20-04-03 许元好	东莞凯福 '20-04-03 许元好					图 号 DWG. NO.	Y-20-0403-0	
						东莞市凯福电子科技有限公司 DONGGUAN KAIFULL CO.,LTD.	页 SHEET	2/2