	negative end				
CN1-23	encoder pulse A+	PAOUT+	output	S/P	encoder give a feedback of output signal, standard is 2500/wire it can via output Pn41, Pn42 electronic gear to adjust output, example: encoder 2500 pulse each circle, set Pn41/Pn42=4/5, from the drive unit output A, B phase signal is 2500 XPn41/Pn42=2000 pulse/circle
CN1-11	encoder pulse A-	PAOUT-		S/P	
CN1-24	encoder pulse B+	PBOUT+		S/P	
CN1-12	encoder pulse B-	PBOUT-		S/P	
CN1-25	encoder pulse Z+	PZOUT+		S/P	the motor rotate a circle, output a pulse
CN1-13	encoder pulse Z-	PZOUT-		S/P	
CN1-PE	shield	PE			

2) The feedback signal terminal CN2

terminal No	signal name	terminal mark			color	function
		mark	I/O	method		
CN2-5-6-17-18	power output+	+5V	power	S/P		Servo motor photoelectric encoder use+5V power supply; When the cable is long, should use multiple cores in parallel
CN2-1-2-3-4	power output-	OV	land	S/P		
CN2-24	encoder A+ input	A+	I	S/P		connect with servo motor photoelectric encoder A+
CN2-12	encoder A- input	A-				connect with servo motor photoelectric encoder A-
CN2-23	encoder B+ input	B+	I	S/P		connect with servo motor photoelectric encoder B+
CN2-11	encoder B- input	B-				connect with servo motor photoelectric encoder B-
CN2-22	encoder Z+ input	Z+	I	S/P		connect with servo motor photoelectric encoder Z+
CN2-10	encoder Z- input	Z-				connect with servo motor photoelectric encoder Z-
CN2-21	encoder U+ input	U+	I	S/P		connect with servo motor photoelectric encoder U+
CN2-9	encoder U- input	U-				connect with servo motor photoelectric encoder U-

CN2-20	encoder V+ input	V+	I	S/P		connect with servo motor photoelectric encoder V+
CN2-8	encoder V- input	V-				connect with servo motor photoelectric encoder V-
CN2-19	encoder W+ input	W+	I	S/P		connect with servo motor photoelectric encoder W+
CN2-7	encoder W- input	W-				connect with servo motor photoelectric encoder W-
CN2-14	PE					shield

2.3. 4 signal terminals cabling

- Cable selection: use shield cable (It is better to choose twisted shielded cable): wire core cross-sectional area≥0.12mm^2 (AWG24-26), shield must connect with FG terminals。
- cable length: cable length as short as possible, CN1 control cable should be less than 3meters, signal feedback CN2 cable should be less than 20meters。
- Cabling: away from power circuit cabling to prevent interference entering。Please install surge absorber component in the relevant circuit inductor components (coil); direct current coil anti-parallel free-wheeling diode, AC coil in parallel and RC absorb return circuit。

2.4 The principle diagram of the signal interface

2.4. 1 digital input interface circuit

Digital input interface circuit could be controlled by relay or open collector transistor circuit。User provide power, DC12～24V, current≥100mA; note; if the current polarity reversed, the drive does not work。Input signal SON ALRS INH CLR SC1 SC2 can refer to this connection mode。