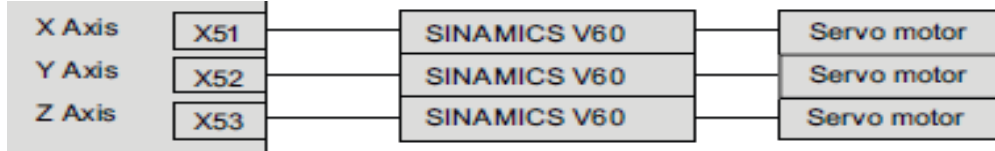


808D set point cable X51~X53 connecting with V60 driver instructions

1. 808D PPU interface X51~X53 is defined as axis pulse interface, the standard configuration is SINAMCIS V60 drive.



(Taking a milling machine for an example)

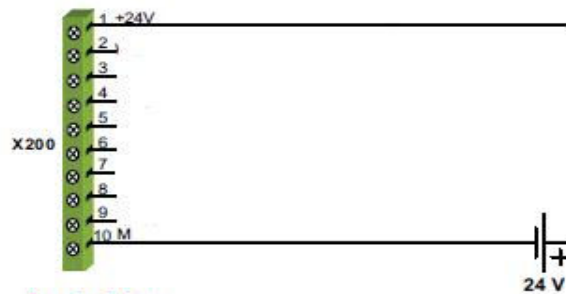
2. The detail interface signal for Standard configuration SINAMCIS V60 drive as below:

808D PPU X51~X53 port	symbol (colour)	The description of signal	V60 port /pin	Remark
1	PULSE+ (green)	Positive pulse (NC output signal)	X5 / pin1	5V signal
9	PULSE- (yellow)	Negative pulse (NC output signal)	X5 / pin2	5V signal
2	DIR+ (gray)	DIRECTION + (NC output signal)	X5 / pin3	5V signal
10	DIR- (pink)	DIRECTION - (NC output signal)	X5 / pin4	5V signal
3	ENA+ (brown)	Pulse enable+ (NC output signal)	X5 / pin5	5V signal
11	ENA- (white)	Pulse enable- (NC output signal)	X5 / pin6	5V signal
	65	servo enable (NC output signal)	X6 / pin1	+24V=drive enable 0V=drive disable
6	RST (white/green)	Alarm Reset (NC output signal)	X6 / pin2	+ 24V high active
7	M24 (red)	Servo enable and ALARM RESET Ground	X6 / pin3	
5	ALM1 (red/blue)	Power from the pin 1 of X200, +24V output	X6 / pin4	ALM1 ALM2
15	ALM2 (blue)	Alarm, from drive side (NC input signal)	X6 / pin5	When alarm is triggered,ALM1, ALM2 close
8	RDY1 (black)	Power from the pin 1 of X200, +24V output	X6 / pin6	RDY1 RDY2
14	RDY2 (purple)	Drive ready signal (NC input signal)	X6 / pin7	drive is ready, the line close.

12	+24V (white/yellow)	Power from the pin 1 of X200, +24V output	X6 / pin8	
4	Z-M (gray/pink)	Zero mark signal (NC input signal)	X6 / pin9	H = +24V; L = 0 V
13	M24 (brown/green)	Zero mark Ground	X6 / pin10	

3. Announcements:

- a) The + 24 V and M signals of X200 must be connected; otherwise, the communication between the PPU and the drives does not function as it should.(reference 808D electrical installation_201205 manual ,the 20 page and the 30 page)



Reminding:
Even if output port X200 not output ,the + 24 V and M signals of X200 must be connected, or else V60 drive enable signal can't be ready.

- b) If using Siemens standard cable to connect third party drive or using other cable, please be sure good insulation for useless signal cable.

4.FAQ:

- a) Q: axis disable, SINAMCIS V60 display alarm : "S-3"

Possible cause:

- The + 24 V and M signals of X200 is not be connected
- 65 port of V60 not be connected
- please check the axis machine date : MD30130&MD30240&MD34200 set correctly
- System has read disable effective signal
- 65 enable M signal port and M signal port of X200 not connected the same ground

- b) Q: 808D X51~X52 port was damaged

Possible cause:

- Hot-plug the connector
- Wrong wiring, Short circuits, cable breakage