

SV2500S, SV4500S and SV8500S Connections

X13-Encoder Connections - 15-Pin D Connector

Pin No.	Type	Signal
1	Ground	Shield
2	Output	Channel Z+
3	Output	Channel B+
4	Output	Channel A+
5	Input	Logic Ground
6	Reserved	Reserved
7	No Connection	
8	No Connection	
9	Output	Channel Z-
10	Output	Channel B-
11	Output	Channel A-
12	No Connection	
13	Input	+5VDC
14	No Connection	
15	No Connection	

X12-Resolver Connections - 15-Pin D Connector

Pin No.	Type	Signal
1	Ground	Shield
2	No Connection	
3	No Connection	
4	Output	Rotor 2
5	Input	Stator 1
6	No Connection	
7	No Connection	
8	No Connection	
9	Input	Motor Temp. +
10	Input	Motor Temp. -
11	Input	Stator 4
12	Input	Stator 3
13	Input	Stator 2
14	Output	Rotor 1
15	No Connection	

X6-RS232 Connections - 9-Pin D Connector

Pin No.	Signal
1	No Connection
2	Rx
3	Tx
4	DTR
5	Ground
6	DSR
7	RTS
8	CTS
9	+5VDC

X1-Motor Power Connector - 8-Pin Removable Connector

Pin No.	Signal	Pin No.	Signal
1	Phase U	5	Brake +
2	Phase V	6	Brake -
3	Phase W	7	Brake Enable
4	Motor Earth	8	Brake Enable

X9-Analog References - 7-Pin Removable Connector

Pin No.	Type	Signal
1	Reference 1	Ref point monitor of first input
2	Reference 2	Ref point monitor of second input
3	Current U	Current monitor, Phase U
4	Current V	Current monitor, Phase V
5	Conductance U	Conductivity, Phase U
6	Conductance V	Conductivity, Phase V
7	Shield	Housing Shield

X8-Control Connections - 16-Pin Removable Connector

Pin No.	Type	Signal
1	Input	Command 1+
2	Input	Command 1-
3	Input	Command 2+
4	Input	Command 2-
5	No Connection	
6	No Connection	
7	GND	Analog GND
8	GND	Analog GND
9	Output	Current Monitor
10	Output	Tach - Absolute
11	Output	Tach - Normalized
12	Output	Supply Voltage Value
13	Output	+15VDC
14	Output	-15VDC
15	GND	Analog GND
16	GND	Analog GND

X10-Control Connections 16-Pin Removable Connector

Pin No.	Type	Signal
1	Input	Input 1 (Enable)
2	Input	Input 2 (Brake)
3	Input	Input 3
4	Input	Input 4
5	No Connection	
6	GND	I/O GND
7	GND	I/O GND
8	GND	I/O GND
9	Output	+24VDC (<500 mA)
10	GND	Logic GND for +24V
11	No Connection	
12	No Connection	
13	No Connection	
14	Input	Programmable Output Pull Up
15	Output	Programmable Output
16	GND	Programmable Output GND

X2-Main Input (Removable) Connector

Pin No.	Signal
1	Line 1
2	Line 2
3	Line 3
4	Earth

X3-External Logic Supply (Removable) Connector

Pin No.	Type	Signal
1	24V GND	0V return for 24V supply
2	24V Input	+24V input @ 5A to maintain logic

Drives & Drive/Controllers