

POWER CONNECTION

Phase	145 & 190 ST Wires's mark	300ST Pin number	
		I < 25A	I ≥ 25A
U	U – 1	1	U
V	V – 2	2	V
W	W – 3	4	W
Ground	Green / Yellow	3	⊕

POSITION FEEDBACK AND THERMAL SENSORS CONNECTIONS

Resolver (option 1 & 6*)		
Signal	145 & 190ST Wires's colors	300ST Pin number
V ref	Red	1
0V	Blue	2
Sin +	Green	3
Sin -	Yellow	4
Cos +	White	5
Cos -	Brown	6
		7
		8
KTY84	Black	9
KTY84	Violet	10
PTC	Grey	11
PTC	Pink	12

SCK KIT 101 (option 3)		
Signal	145 & 190ST Wires's colors	300ST Pin number
Us	White	1
GND	Brown	2
Sin +	Yellow	3
Sin -	Green	4
Cos +	Pink	5
Cos -	Grey	6
Data +	Blue	7
Data -	Red	8
KTY84	Grey/Pink	9
KTY84	Red/Blue	10
PTC	Black	11
PTC	Violet	12

ECN113, ECN1313*, & EQN1325* (option 7, 8* & 9*)		
Signal	145 & 190ST Wires's colors	300ST Pin number
Up	White	1
0V	Brown	2
A +	Green	3
A -	Yellow	4
B +	Grey	5
B -	Pink	6
Data +	Blue	7
Data -	Red	8
Clock +	Black	9
Clock -	Violet	10
PTC	Grey/Pink	11
PTC	Red/Blue	12
KTY84	White/Green	11
KTY84	Brown/Green	12

ERN180 (2048 & 5000 pts) & ERN1381* (option 2, A & 5*)		
Signal	145 & 190ST Wires's colors	300ST Pin number
Up	Brown	1
0V	White	2
A+	Green	3
A-	Yellow	4
B+	Grey	5
B-	Pink	6
R+	Blue	7
R-	Red	8
KTY84	Grey/Pink	9
KTY84	Red/Blue	10
PTC	Black	11
PTC	Violet	12

ECN125, ECN1325*, EQN1337*, EC4010 & EB4010 (option B, C*, D*, E & F)		
Signal	145 & 190ST Wires's colors	300ST Pin number
Up	Red	1
0V	Blue	2
Data +	Green	3
Data -	Yellow	4
Clock +	White	5
Clock -	Brown	6
		7
		8
KTY84	Black	9
KTY84	Violet	10
PTC	Grey	11
PTC	Pink	12

ERN1387* (option 4*)		
Signal	145 & 190ST Wires's colors	300ST Pin number
A+	White	Encoder Not available
A-	Brown	
R+	Green	
R-	Yellow	
D+	Pink	
D-	Grey	
C+	Blue	
C-	Red	
B+	Grey/Pink	
B-	Red/Blue	
0V	White/Green	
Up	Brown/Green	
PTC	Black	
PTC	Violet	
KTY84	White/Yellow	
KTY84	Brown/Yellow	

* Encoder not available for 300ST motors