

Wiring Kinetix or Ultra3000 Servo Drives to Elwood High Performance Motors SX-Series Stegmann-based Motors

About This Publication

This publication provides tables for wiring the flying leads from an Elwood High Performance Motors SX-Series motor with a Stegmann (SRS/SRM) encoder to a Kinetix® or Ultra™ 3000 drive.

Contact Elwood (<http://www.elwood.com/sx>) for motor installation instructions.

IMPORTANT Be sure to correctly connect shields and ground the motor frame.

Applicable Drives

Ultra3000	Kinetix 350	Kinetix 6000	Kinetix 6500
Kinetix 300	Kinetix 2000	Kinetix 6200	

Wiring the Power Connections

Kinetix Drive	Elwood SX-Series Power		Ultra3000 Drive
Terminal	Wire Color	Signal	Terminal
U	Black	Phase A	U
V	Red	Phase C	V
W	White	Phase B	W
Ground	Green	Ground	Ground
MBRK-	Orange	Brake - Com	MBRK-
MBRK+	Brown	Brake +24V DC	MBRK+
Wire to MF-16 (TS+) ^{(1) (2)}	Blue	Over Temp	Wire to CN2-11 (TS+) ⁽³⁾
Wire to MF-17 (TS-) ^{(1) (2)}	Blue	Over Temp	Wire to CN2-6 (TS-) ⁽³⁾

(1) Terminate with a low-profile connector kit (catalog number 2090-K6CK-D15MF) on Kinetix 6000, Kinetix 6200, and Kinetix 6500 drives.

(2) Terminate with a low-profile connector kit (catalog number 2090-K2CK-D15M) on Kinetix 300/350 and Kinetix 2000 drives.

(3) Terminate with a low-profile connector kit (catalog number 2090-UXBB-DM15) on Ultra3000 drives.

Wiring the Stegmann Encoder Connections

Kinetix Drive ^{(1) (2)}		Elwood SX-Series Feedback		Ultra3000 Drive ⁽³⁾	
Signal	MF-Pin	Wire Color	Signal	Signal	CN2-Pin
Sine+	1	Orange/White	Ref Sin	Sine+	1
Sine-	2	White/Orange	+Sin	Sine-	2
Cos+	3	Green/White	Ref Cos	Cos+	3
Cos-	4	White/Green	+Cos	Cos-	4
Data+	5	White/Brown	Data+	Data+	5
ECOM	6	Blue/White	Com	ECOM	6
EPWR_9V	7	White/Blue	+V DC	EPWR_9V	7
Data-	10	Brown/White	Data-	Data-	10
—	Connector Shield	Drain Wire/Shield	—	—	Connector Shield

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- (3) Terminate with a low-profile connector kit (catalog number 2090-UXBB-DM15) on Ultra3000 drives.

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