

# Wiring Kinetix 6000 Servo Drives to Elwood High Performance Motors SX-Series Two-pole Resolver-based Motors

## About This Publication

This publication provides tables for wiring the flying leads from an Elwood High Performance Motors SX-Series with a two-pole resolver to a Kinetix® 6000 drive.

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

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

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## Wiring the Power Connections

Kinetix 6000 Drive	Elwood Sx-Series Power	
Terminal	Wire Color	Signal
U	Black	Phase A
V	White	Phase B
W	Red	Phase C
Ground	Green/Yellow	Ground
Wire to M F-16 <sup>(1)</sup>	Blue	Over Temp
Wire to M F-17 <sup>(1)</sup>	Blue	Over Temp

(1) Terminate with a low-profile connector kit (catalog number 2090-K6CK-D15M F).

# Wiring the Resolver Connections

Kinetix 6000 Drives		Elwood SX-Series Feedback		
Signal	Connector Kit Terminal	Wire Color	Signal	Notes
Sine+	1	Yellow	SIN+ (S2)	—
Sine-	2	Blue	SIN- (S4)	—
Cos+	3	Brown	COS+ (S1)	—
Cos-	4	Black	COS- (S3)	—
Resolver Excitation	5	Gray	REF+ (R1)	—
Resolver Excitation	10	White	REF- (R2)	—
Over Temp <sup>(1)</sup>	16	Blue	Over Temp	From motor power cable
OverTemp <sup>(1)</sup>	17	Blue	Over Temp	
—	Connector Shield	Drain Wire/Shield	—	—

(1) Kinetix 6000 drives require the use of a low-profile connector kit (catalog number 2090-K6CK-D15M F) with thermal-switch filter-terminals to provide Over Temp signal termination.

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