

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.

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

Wiring the Power Connections

Kinetix 6000 Drive	Elwood Sx-Series Power	
	Wire Color	Signal
U	Black	Phase A
V	White	Phase B
W	Red	Phase C
Ground	Green/Yellow	Ground
Wire to M F-16 ⁽¹⁾	Blue	Over Temp
Wire to M F-17 ⁽¹⁾	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 ⁽¹⁾	16	Blue	Over Temp	From motor power cable
OverTemp ⁽¹⁾	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.

Allen-Bradley, Rockwell Software, Rockwell Automation and Kinetix are trademarks of Rockwell Automation, Inc.

Trademarks not belonging to Rockwell Automation are property of their respective companies.

Rockwell Otomasyon Ticaret A.Ş., Kar Plaza İş Merkezi E Blok Kat:6 34752 İçerenköy, İstanbul, Tel: +90 (216) 5698400

www.rockwellautomation.com

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
 Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
 Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Publication 2090-IN016B-EN-P - January 2014

Supersedes Publication 2090-IN016A-EN-P - January 2007

Copyright © 2014 Rockwell Automation, Inc. All rights reserved. Printed in the U.S.A.