



# Wiring Kinetix 6000 Servo Drive to Gettys SX Two-Pole Resolver Based Motors

## About This Publication

This publication provides tables for wiring the flying leads from a Gettys SX motor with a two-pole resolver to a Kinetix 6000 drive.

Contact Gettys (<http://www.elwood.com/gettys>) 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	Gettys Power	
Terminal	Wire Color	Signal
U	Black	Phase A
V	White	Phase B
W	Red	Phase C
Ground	Green/Yellow	Ground
Wire to MF-16 <sup>(1)</sup>	Blue	Over Temp
Wire to MF-17 <sup>(1)</sup>	Blue	Over Temp

<sup>(1)</sup> Terminate with a Motor Feedback Connector (catalog number 2090-K6CK-D15MF).

# Wiring the Resolver Connections

Kinetix 6000 Drive		Gettys Resolver		
Signal	MF-Pin #	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)	—
Overtemp <sup>(1)</sup>	16	Blue	Over Temp	From Motor Power Cable
Overtemp <sup>(1)</sup>	17	Blue	Over Temp	
—	Connector Shield	Drain Wire/Shield	—	—

<sup>(1)</sup> Kinetix 6000 drive requires the use of a Motor Feedback Connector (catalog number 2090-K6CK-D15MF) with thermal-switch filter-terminals to provide Over Temp signal termination. Refer to Wiring the Power Connections on page 1.

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