



Wiring Kinetix 6000 or Ultra3000 Servo Drives to Gettys SX Stegman Based Motors

About This Publication

This publication provides tables for wiring the flying leads from a Gettys SX motor with a Stegman (SRM) encoder to a Kinetix 6000 or Ultra3000 drive.

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

IMPORTANT

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

Wiring the Power Connections

Kinetix 6000 Drive	Gettys 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+24Vdc	MBRK+
Wire to MF-16 (TS+) ⁽¹⁾	Blue	Over Temp	Wire to CN2-11 (TS+)
Wire to MF-17 (TS+) ⁽¹⁾	Blue	Over Temp	Wire to CN2-6 (TS-)

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

Wiring the Stegman Encoder Connections

Kinetix 6000 Drive ⁽¹⁾		Gettys Stegmann		Ultra3000 Drive	
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	+Vdc	EPWR_9V	7
Data-	10	Brown/White	Data-	Data-	10
—	Connector Shield	Drain Wire/Shield	—	—	Connector Shield

⁽¹⁾ Kinetix 6000 and Ultra3000 drives require 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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