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Element	Mating	Author	J. Coleman
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## Lead Wire Pinout for BK23 to B8000

Languages	Target Group	Status	Usage	International Restrictions
<input checked="" type="checkbox"/> English	<input type="checkbox"/> Basic	<input type="checkbox"/> In Process	<input type="checkbox"/> Internal	<input checked="" type="checkbox"/> U.S. Citizens <small>checked = allowed to view</small>
<input type="checkbox"/> German	<input checked="" type="checkbox"/> Normal	<input checked="" type="checkbox"/> Completed	<input checked="" type="checkbox"/> Public	Non-Restricted Countries, End
<input type="checkbox"/> .....	<input type="checkbox"/> Specialist			<input checked="" type="checkbox"/> Uses, and End Users (www.bis.doc.gov)

### About the Content:

This document provides the pinout for wiring the BK23 (AKM23D-EFCN2) directly to the B8000 drive using only the 0.5m leads on the motor.

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### Instructions

Two cable connections extend from the BK23 (AKM) motor. One is the motor power cable and the other is the feedback cable. Note and remember which one is the motor power cable and which is the feedback cable. The end of the connectors for each cable look like:

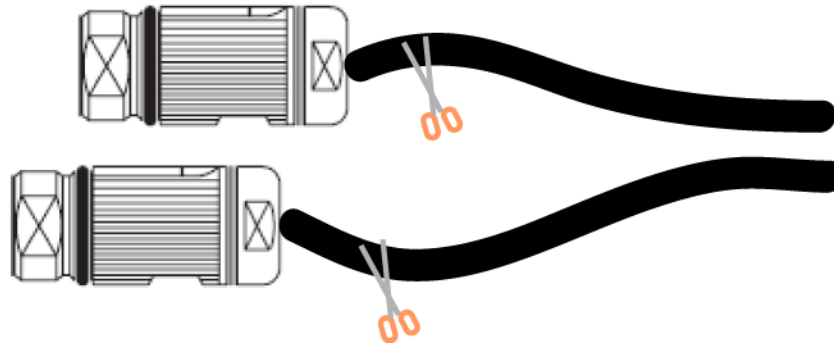
Motor Power Cable



Motor Feedback Cable



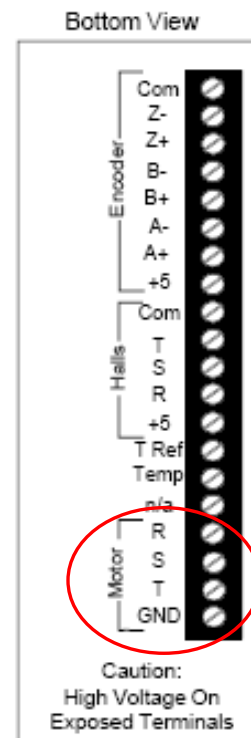
Remove (permanently cut) the “C” connectors from the 0.5m leads coming from the motor.



### Motor Power Cable

Connect the wires directly to the drive according to the chart below.

Pin #	Drive Label	Wire Color (coming from motor)
4	Motor R	Blue
3	Motor S	Brown
2	Motor T	Purple
1	Ground	Green/Yellow



NOTE

The three phases are labeled differently between the motor and the drive. Please refer to the following table for the match –up between the IDC drive and Kollmorgen Motor.

Drive Label	Kollmorgen Label	Wire Color
R	U	Blue
S	V	Brown
T	W	Purple

## Motor Feedback Cable

Connect the wire directly to the drive according to the chart below

Pin #	Drive Label	Wire Color (coming from motor)
20	Com	Black
19	Z-	Purple/Black
18	Z+	Purple
17	B-	Green/Black
16	B+	Green
15	A-	Blue/Black
14	A+	Blue
13	+5	Red
12	Com	N/A
11	Hall T	Gray
10	Hall S	White
9	Hall R	Brown
8	+5	N/A
7	TRef	Orange
6	Temp	Orange/White
5	n/a	N/A

