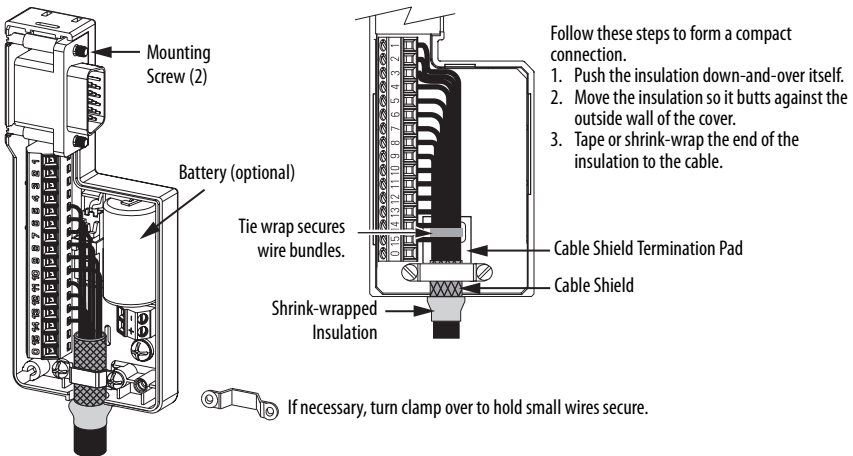


Low-profile Connector Kit for Motor Feedback Signals

Catalog Numbers 2090-K2CK-D15M, 2090-DA-BAT2

Install the Low-profile Connector Kit



2090-K2CK-D15M Connector Kit Specifications

Attribute	Value
Cable diameter	4...10 mm (0.16...0.39 in.)
Screw terminal wire size	0.06...1.31 mm ² (30...16 AWG)
Recommended wire strip length	5 mm (0.2 in.) single conductor
Recommended torque Mounting screw Terminal screw	0.40 N·m (3.5 lb·in) 0.25 N·m (2.2 lb·in)

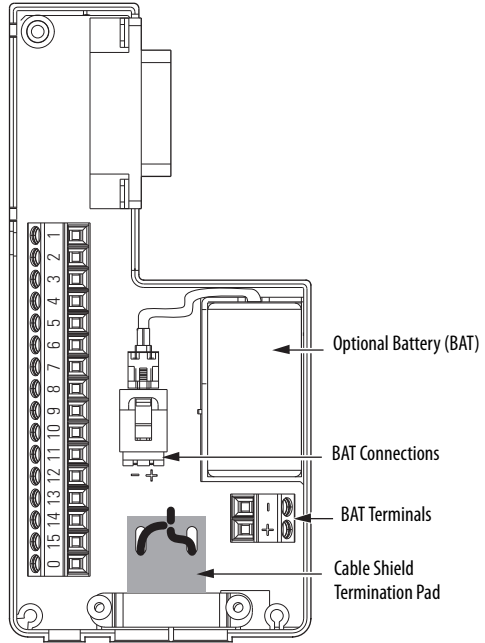


ATTENTION: This connector kit contains electrostatic discharge (ESD) sensitive parts that can be damaged if you do not follow ESD control procedures. If you are unfamiliar with ESD control procedures, refer to Guarding Against Electrostatic Damage, publication [8000-4.5.2](#), or any other applicable ESD protection handbook.

Connector Data

Motor Feedback (MF) Connections

Terminal	Signal
1	AM+
2	AM-
3	BM+
4	BM-
5	DATA+/IM+
6	ECOMM
7	EPWR_9V
8	S3
9	E_OT+
10	DATA-/IM-
11	TS
12	S1
13	S2
14	EPWR_5V
15	E_OT-
0	SHIELD



Optional Battery Connections

Terminal	Signal
+	BAT+
-	BAT-

Battery Specifications

The 2090-DA-BAT2 battery is required for absolute position backup of TL-Series encoders, but is not included with the connector kit.

Battery Catalog Number

Cat. No.	Description
2090-DA-BAT2	3.6V, half-height, non-rechargeable lithium battery with 2-pole mini connector

Battery Life

Drive Power On Time Hours/week	Drive Power Off Time Hours/week	Expected Battery Life Years	Operating Conditions
0	168	1.0	Drive power is never ON
40	128	3.5	Drive power is ON for one 8-hour shift, 5 days/week
56	112	4.0	Drive power is ON for one 8-hour shift, 7 days/week
80	88	5.5	Drive power is ON for two 8-hour shifts, 5 days/week
112	56	7.5	Drive power is ON for two 8-hour shifts, 7 days/week
120	48	8.0	Drive power is ON for three 8-hour shifts, 5 days/week
168	0	10.5	Drive power is never OFF



This product contains a sealed lithium battery which may need to be replaced during the life of the product.

At the end of its life, the battery contained in this product should be collected separately from any unsorted municipal waste.

The collection and recycling of batteries helps protect the environment and contributes to the conservation of natural resources as valuable materials are recovered.

Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products.

At <http://www.rockwellautomation.com/support>, you can find technical manuals, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools. You can also visit our Knowledgebase at <http://www.rockwellautomation.com/knowledgebase> for FAQs, technical information, support chat and forums, software updates, and to sign up for product notification updates.

For an additional level of technical phone support for installation, configuration and troubleshooting, we offer TechConnectSM support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://www.rockwellautomation.com/support/>.

Installation Assistance

If you experience a problem within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your product up and running.

United States or Canada	1.440.646.3434
Outside United States or Canada	Use the Worldwide Locator at http://www.rockwellautomation.com/rockwellautomation/support/overview.page , or contact your local Rockwell Automation representative.

New Product Satisfaction Return

Rockwell Automation tests all of its products to help ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned, follow these procedures.

United States	Contact your distributor. You must provide a Customer Support case number (call the phone number above to obtain one) to your distributor to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for the return procedure.

Documentation Feedback

Your comments will help us serve your documentation needs better. If you have any suggestions on how to improve this document, complete this form, publication [RA-DU002](#), available at <http://www.rockwellautomation.com/literature/>.

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Publication 2093-IN005C-EN-P - May 2013

Supersedes Publication 2093-IN005B-EN-P - August 2010

PN-204918

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