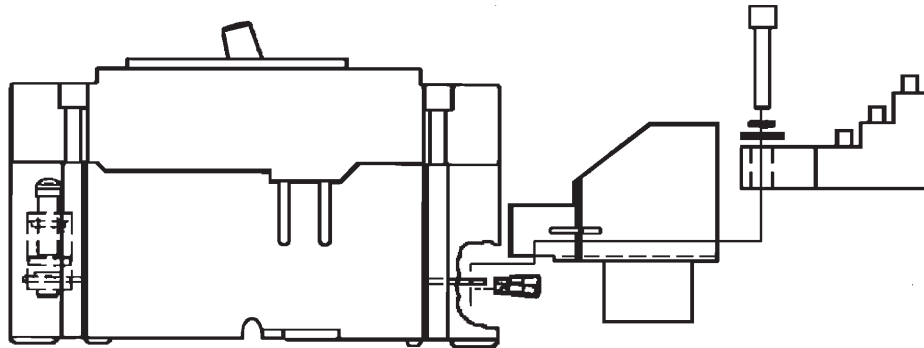


Instructions for Multi Wire Connector kit, Catalog No. PDG2X3(2)(4)TA2256W. For Use on PDG2 Frame Circuit Breakers, Molded Case Switches, and Motor Circuit Protectors.



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**WARNING**

DO NOT ATTEMPT TO INSTALL OR PERFORM MAINTENANCE ON EQUIPMENT WHILE IT IS ENERGIZED. DEATH, SEVERE PERSONAL INJURY (INCLUDING BURN), OR SUBSTANTIAL PROPERTY DAMAGE CAN RESULT FROM CONTACT WITH ENERGIZED EQUIPMENT. ALWAYS VERIFY THAT NO VOLTAGE IS PRESENT BEFORE PROCEEDING WITH THE TASK, AND ALWAYS FOLLOW GENERALLY ACCEPTED SAFETY PROCEDURES.

EATON IS NOT LIABLE FOR THE MISAPPLICATION OR MISINSTALLATION OF ITS PRODUCTS.



**WARNING**

CONDUCTORS SIZED FOR LOAD CURRENTS LOWER THAN THE CIRCUIT BREAKER RATING WILL NOT BE PROTECTED BY THE CIRCUIT BREAKER. EACH LOAD CONDUCTOR MUST BE PROTECTED BY AN INDIVIDUAL OVERCURRENT DEVICE, AND MEET ANY ADDITIONAL REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.

Table 1

KIT CONTENTS	
• 3 - Molded Insulators	• 3 - #10 Lock Washers
• 3 - Wire Connectors	• 3 - #10 Flat Washers
• 3 - Keeper Nuts	• 1 - Torque Label
• 3 - 10-32 Mounting Screws	• This Instruction Leaflet

Wire Range #6 - #14 AWG (Maximum 6) Copper or Aluminum Wires.

This kit is U.L. listed for field installation on the "LOAD END" of the above listed Circuit Breakers and Molded Case Switches,



**CAUTION**

THE PURPOSE OF THESE CONNECTORS IS TO DISTRIBUTE POWER TO MORE THAN ONE LOAD AND ARE TO BE INSTALLED ONLY ON THE "LOAD END" OF THE CIRCUIT BREAKER.

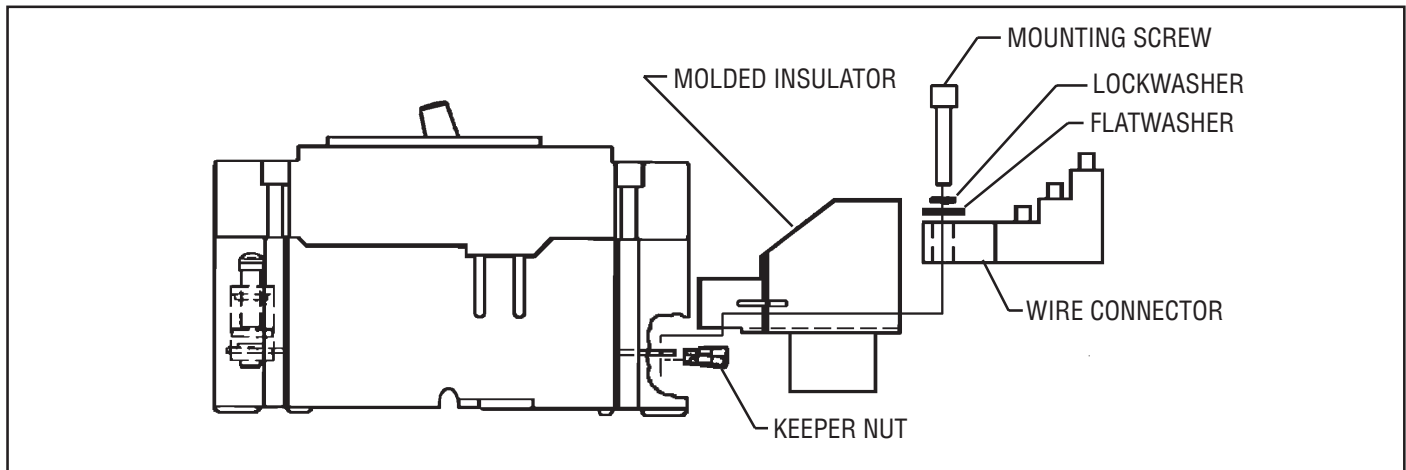


Figure 1. Typical F-Frame Circuit Breaker Installation

The installation and use of Eaton products should be in accordance with the provisions of the U.S. National Electrical Code and/or other government regulations, local codes or industry standards that are pertinent to the particular end use. Installation or use not in accordance with these codes and standards could be hazardous to personnel and/or equipment.

### INSTALLATION INSTRUCTIONS

If circuit breaker is installed in equipment, it **MUST** be removed from equipment for installation of this kit. This kit is intended for use **ONLY** on the **LOAD END** of the circuit breaker. See Figure 1.



### CAUTION

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#### SUPPLIED MOLDED INSULATORS MUST BE INSTALLED TO MAINTAIN ELECTRICAL SPACINGS.

1. Remove and discard existing **LOAD END** wire connectors from breaker.
2. Install keeper nuts on all **LOAD END** terminals of breaker as shown in Figure 1.
3. Place kit wire connector into molded insulator as shown in Figure 1.
4. Place molded insulator and wire connector on top of breaker terminals as shown in Figure 1.



### CAUTION

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#### USE ONLY MOUNTING SCREWS PROVIDED WITH KIT. DO NOT SUBSTITUTE OR ELECTRICAL SPACINGS MAY NOT BE MET.

5. Install provided mounting screw, lockwasher and flat washer as shown in Figure 1. Torque mounting screw to 35 lb.-in. (5.6 Nm).
6. Repeat steps 3 through 5 for the remaining poles.
7. Apply torque label to side of breaker.

The circuit breaker may be installed into equipment at this time.

### FIELD WIRING:

**Note:** It may not be possible to install the largest conductors in adjacent holes due to the wire insulation thickness. Use only connections which allow insertion of wires without undue insulation interference between wires at the connector. When fully inserted into the connector the insulation should be within 1/8 inch (3.18 mm) of the connector. Strip wires to lengths shown in Table 2.

Table 2

Hole Position	Wire Strip Length
UPPER	$\frac{3}{8}$ to $\frac{1}{2}$ INCH (9.53 to 12.70 mm)
MIDDLE	$\frac{3}{4}$ to $\frac{7}{8}$ INCH (19.05 to 22.23 mm)
LOWER	$1\frac{1}{4}$ to $1\frac{3}{8}$ INCH (31.75 to 34.93 mm)

The instructions for installation, testing, maintenance, or repair herein are provided for the use of the product in general commercial applications and may not be appropriate for use in nuclear applications. Additional instructions may be available upon specific request to replace, amend, or supplement these instructions to qualify them for use with the product in safety-related applications in a nuclear facility.

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Printed in USA  
Publication No. IL012242EN  
Part No. IL012242EN H01