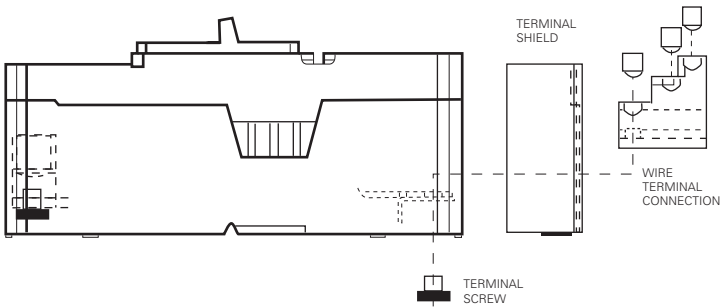


# Instruction Leaflet IL012247EN

## Instructions Leaflet PDG3 MCCB and MCP Multi Wire Connector Kits Catalog No. PDG3X3(2)(4)TA4006W, PDG3X3(2)(4)TA4003W.



### Contents

Description .....	Page
Installation Instructions .....	3
Field Wiring .....	3



**DANGER**

**DO NOT 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.**

Kit Contents	
1 – Molded Insulator	1 – Torque Label
3 – Wire Connectors	This Publication
3 – .375 x 24 Mounting Screws	

- 3 – Wire Connector Terminal Torque = 120 in-lbs (13.6 Nm) CU/AL 2/0-#14 AWG Wire
- 6 – Wire Connector Terminal Torque = 25 in-lbs (2.8 Nm) CU/AL #3 - #14 AWG Wire

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 THEY ARE TO BE INSTALLED ONLY ON THE “LOAD END” OF THE CIRCUIT BREAKER.**

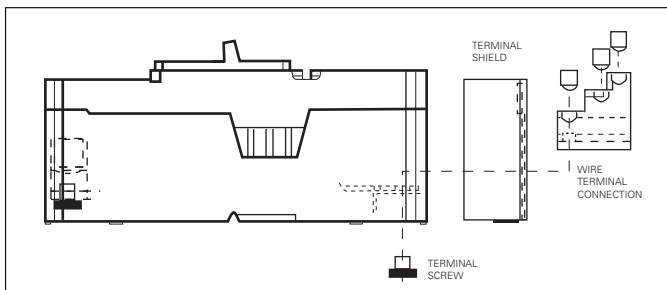


Fig. 1 Typical K-Frame Circuit Breaker Installation



**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.**

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 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

**SUPPLIED MOLDED INSULATIONS MUST BE  
INSTALLED TO MAINTAIN ELECTRICAL SPACINGS.**

1. Remove and discard existing **LOAD END** wire connectors from breaker.



#### CAUTION

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

2. Install terminal to each pole with provided mounting screw as shown in Figure 1.  
Torque mounting screw to 72-96 lb-in (8.1-10.9 Nm).
3. Install molded insulator to the breaker, as shown in Figure 1.
4. Apply torque label to side of breaker.

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

#### FIELD WIRING:

Notice: 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 (3.2 mm) of the connector. Strip wires to lengths shown in Table 2.

TABLE 2

Hole Position	Wire Strip Length
UPPER	9/16 to 3/4 INCH (14.3 mm to 19.1 mm)
MIDDLE	1 3/16 to 1 1/2 INCH (30.2 mm to 38.1 mm)
LOWER	1 7/8 TO 2 1/4 INCH (47.6 mm to 57.2 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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