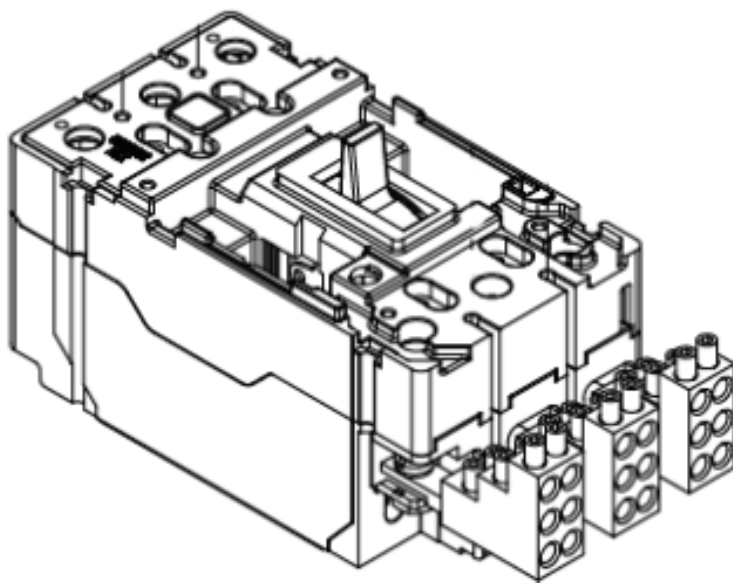


Installation Instructions for PDG1 Multi-wire Terminal-Load Side(Aluminum) 125 amps, (6) AWG 14-2, 3 poles Catalog No - PDG1X3TA1256W



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WARNING

DO NOT ATTEMPT TO INSTALL OR PERFORM MAINTENANCE ON EQUIPMENT WHILE IT IS ENERGIZED. SEVERE PERSONAL INJURY, DEATH, 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.

The user is cautioned to observe all recommendations, warnings, and cautions relating to the safety of personnel and equipment, as well as, all general and local health and safety laws, codes, and procedures.

The recommendations and information contained herein are based on Eaton experience and judgement, but should not be considered to be all-inclusive or covering every application or circumstance which may arise. If any questions arise, contact Eaton for further information or instructions.

INSTALLATION OF MULTI-WIRE TERMINAL CONNECTOR KIT (Fig. 1-1)

NOTE: For use on Eaton EG Circuit Breakers, EG Molded Case Switches, and HMCPE Motor Circuit Protectors on the LOAD END.

1. Remove secondary cover (6 screws).
2. Remove existing connector and discard.
3. Place Multi-Wire Connector on top of breaker terminal.
4. Install mounting screw, lock washer, washer and nut. Torque to 35 in-lbs.
5. Repeat steps 2-4 for remaining poles.
6. Apply torque label to side of breaker.



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.



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 ELECTRIC CODE.

Table 1-1 Wire Strip Lengths for Connector Hole Locations.

HOLE POSITION	WIRE STRIP LENGTH
Upper	3/8 to 1/2 inch
Middle	3/4 to 7/8 inch
Lower	1 1/4 to 1 3/8 inch

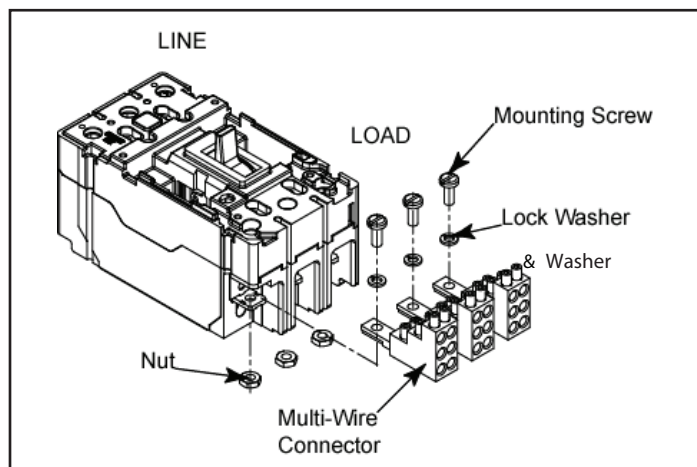


Fig. 1-1 Multi-Wire Connector Kit Installation Layout.

Fig. 1-1 Multi-Wire Connector Kit Installation Layout.

INSTALLATION OF LOAD TERMINAL SHIELD KIT (Fig. 2-1)

1. Slide the Terminal Shield down through the breaker slots while pulling bottom shield tabs outwards away from breaker.
2. Insert Wire Tab along the Terminal Shield slot so that tab hole remains oriented at the top (optional).
3. Insert set screw to secure the wire tab into the slot and tighten to 2 - 4 Lb-in (0.23 - 0.45 N-m) (optional).
4. Reinstall secondary cover (6 screws). Tighten to 4 - 5 Lb-in (0.45 - 0.56 N-m)
5. Use pliers to break off Terminal Shield Cover per the Breaking Chart below. Press Terminal Shield Cover (Fig. 2-2) into the Secondary Cover. Secure cover with Wire Seal (not included).

Terminal Shield Cover Breaking Chart

Accessory End	None	Flex Shaft	Motor Operator	Rotary Handle Mechanism
Line	No Break	1 st Break	2 nd Break	2 nd Break
Load	1 st Break	2 nd Break	2 nd Break	2 nd Break

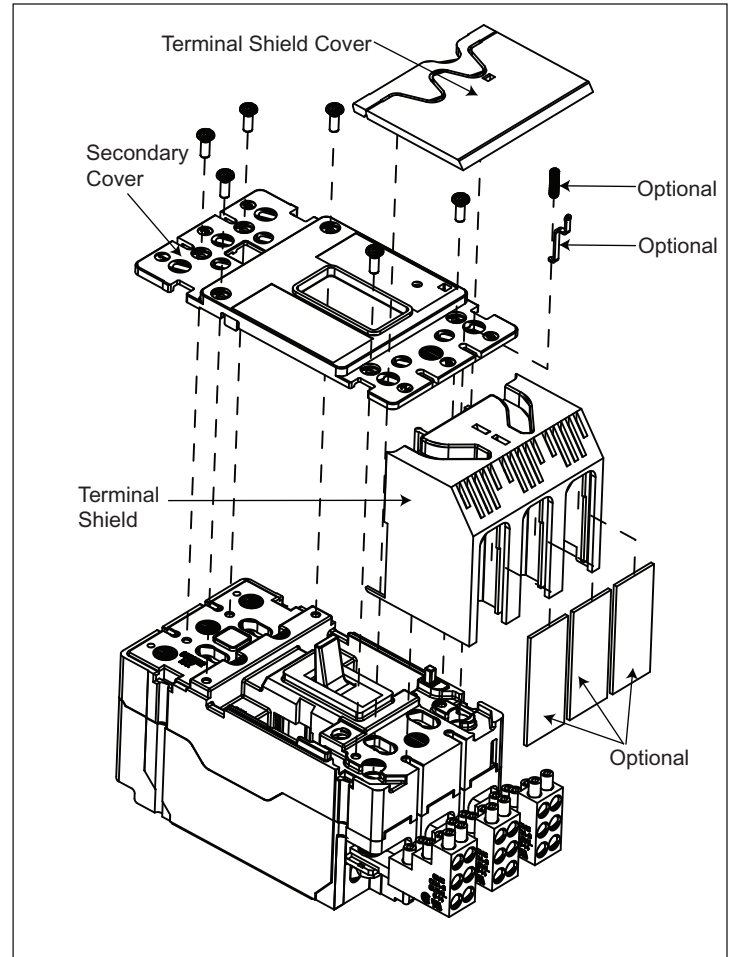


Fig. 2-1 Load Terminal Shield Kit Installation Layout.

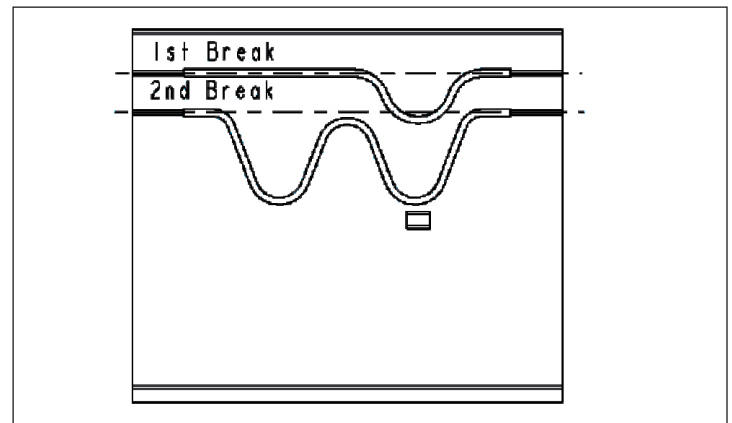


Fig. 2-2 Terminal Shield Cover.

Instruction Leaflet IL012167EN

Effective Sept 2018

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AWG 14-2, 3 poles



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