Instruction Leaflet **IL019107EN** Effective October 2015

Magnum DS® switchgear terminal boots for cable connections—installation

⚠ WARNING

(1) ONLY QUALIFIED ELECTRICAL PERSONNEL SHOULD BE PERMITTED TO WORK ON THE EQUIPMENT.

(2) DO NOT ATTEMPT TO INSTALL OR PERFORM MAINTENANCE ON THE EQUIPMENT WHILE ENERGIZED. ALWAYS VERIFY THAT NO VOLTAGE IS PRESENT BEFORE PROCEEDING.

(3) ALWAYS DE-ENERGIZE PRIMARY AND SECONDARY CIRCUITS IF A CIRCUIT BREAKER CANNOT BE REMOVED TO A SAFE WORK LOCATION.

(4) DRAWOUT CIRCUIT BREAKERS SHOULD BE LEVERED [RACKED] OUT TO THE DISCONNECT POSITION.

FAILURE TO FOLLOW THESE STEPS FOR ALL PROCEDURES DESCRIBED IN THIS INSTRUCTION LEAFLET COULD RESULT IN DEATH, BODILY INJURY, OR PROPERTY DAMAGE.

General

Care should be exercised during installation to minimize cuts and gaps in the boot material for maximum coverage of the connection.

Required tools and supplies

- Heavy-duty box cutter knife or similar
- Plastic cable wire-ties

Parts provided

Each shipment shall contain one terminal boot per phase for each circuit. Boots vary in size based on the number of lugs/cables per terminal adapter. The illustrations herein represent only one size, but all items are installed in like manner.

Installation of insulated terminal boots

Step 1

As shown in **Figure 1**, open the "clam-shell" shaped boot with the "hinge" area away from the cable path. Flex and install the boot so that the opening in the boot will surround the conductor between the glass-polyester conductor support and the cables. Orient the boot so that the terminal adapter copper bar will be encased inside.

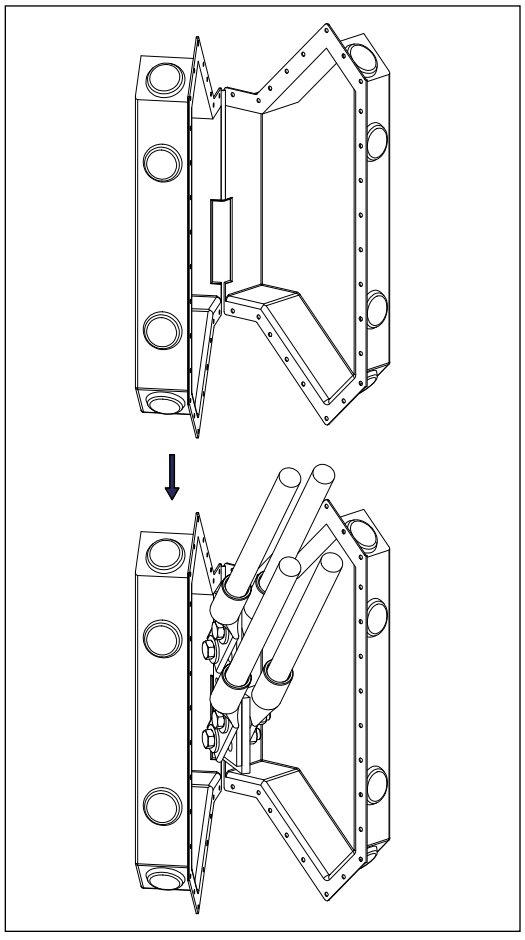

Figure 1. Step 1

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Step 2

As shown in **Figure 2**, the openings for each cable must be cut into the boot at installation. Using the raised areas as a guide, cut an opening for the passage of each cable. Also, cut a slit between the cable opening and the center flange, to permit insertion of the cable into the boot. Unused raised areas (cable access points) will remain as boots. Boots are designed for multiple cable options and for universal fit whether cables are going up (as shown) or down.

Step 3

As shown in **Figure 2**, following encasing of the cables in the boot, close the seam with plastic wire ties in each hole provided along the perimeter of the boot. The exposed copper and terminal connections should be effectively isolated inside the boot.

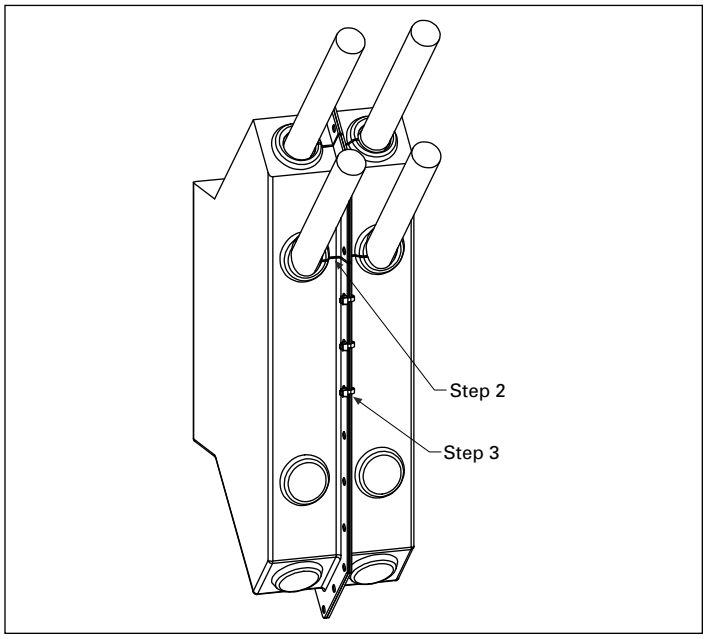

Figure 2. Steps 2 and 3

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1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

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