

38kV VCPW-HD SMG&TD

IB131014EN





READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE ATTEMPTING TO USE THIS DEVICE.

IMPROPER USE CAN RESULT IN DEATH, BODILY INJURY AND/OR PROPERTY DAMAGE.

BECAUSE OF THE UNIQUE APPLICATION AND VAST VARIETY OF SYSTEM AND USERS REQUIREMENTS, SPECIFIC OPERATING PROCEDURES MUST BE DEVELOPED BY THE USER. FAILURE TO DEVELOP THESE PROCEDURES COULD LEAD TO IMPROPER USE OR OTHER MORE SERIOUS CONSEQUENCES.

Type VacClad-W switchgear assemblies are designed with all the bus work completely insulated for safety. Since the current carrying parts are not readily accessible VCPW-HD Manual Grounding and Testing Device is designed for insertion into the breaker compartment to gain access to the primary stationary contacts.

It provides a convenient means to:

- **Ground a circuit for maintenance work.**
- **Apply potential for cable testing.**
- **Access bus & line circuits for “phasing out” tests.**

Description:

The device consists of a draw-out element that can be inserted into a circuit breaker compartment in the same manner as a type VCPW-HD circuit breaker. It includes six terminals and ground bus connections. Each terminal is isolated from each other and the bus connection by insulating barriers. The upper and lower terminals are accessible by removing the front panel. The ground connection is located in the lower front section of the device.

IT IS MOST IMPORTANT THAT THE BUS OR LINE TERMINALS BE CORRECTLY IDENTIFIED FOR EACH COMPARTMENT BEFORE USING THIS DEVICE.

TAKE EXTREME CARE WHILE USING THIS DEVICE TO AVOID “LIVE” OR “HOT” (ENERGIZED) TERMINALS.

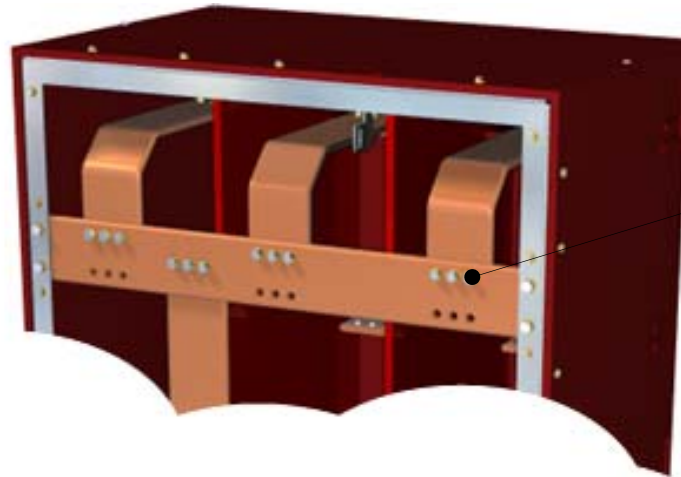
IMPROPER USE CAN RESULT IN DEATH, SERIOUS PERSONAL INJURY AND/OR PROPERTY DAMAGE

Operation:

The following general safe practices are recommended:

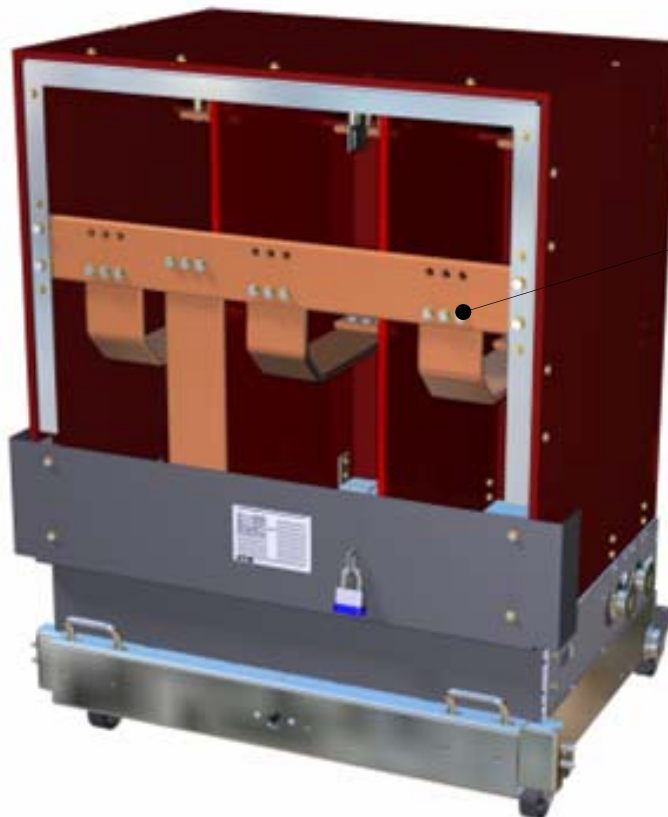
- **Store the device in a clean, dry area free from dust, dirt, moisture, etc.**
- **Keep all insulating surfaces, which include primary support insulation barriers, clean and dry.**
- **Check all primary circuit connections to make certain that they are clean and tight.**
- **Permit only authorized trained personnel to use this device.**

The grounding of either upper or lower terminals is accomplished by connecting grounding links (provided with the device) from either the upper or the lower terminals to the device ground connection. Cable testing or “phasing out” testing may be accomplished by connecting suitable test equipment, as required to the terminals.



Torque .375-16
(Grade 5) Hardware
to 20ft./lbs.

TOP MOUNTED



Torque .375-16
(Grade 5) Hardware
to 20ft./lbs.

BOTTOM MOUNTED

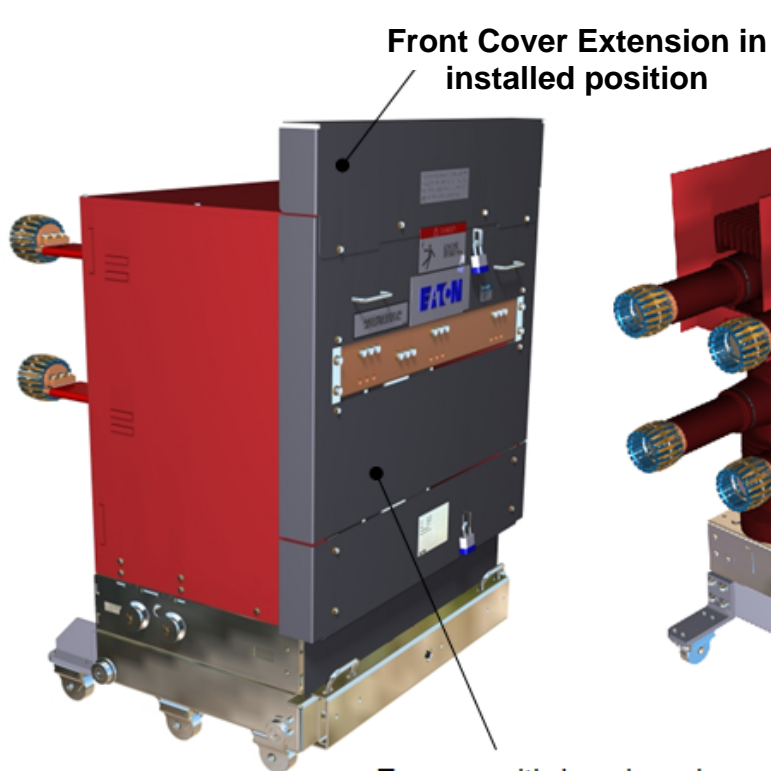
**No Front Cover Extension
installed for use with breaker
shown to the right & 55" Cell**



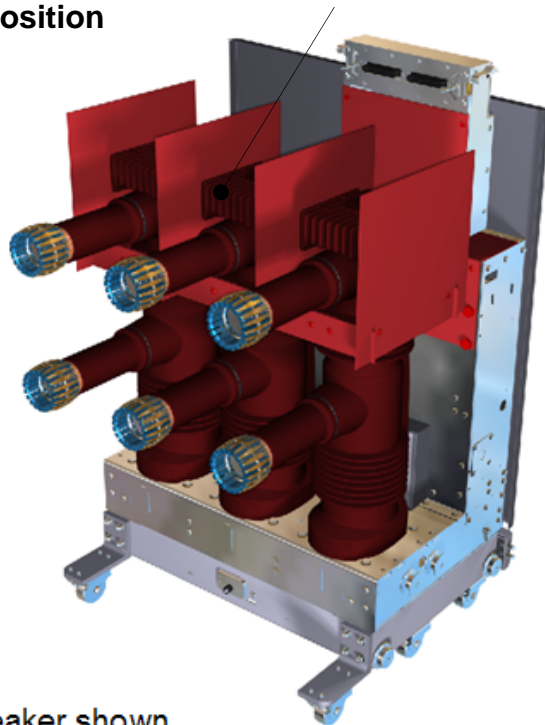
No Heatsink



**Front Cover Extension in
stowed position (optional)**

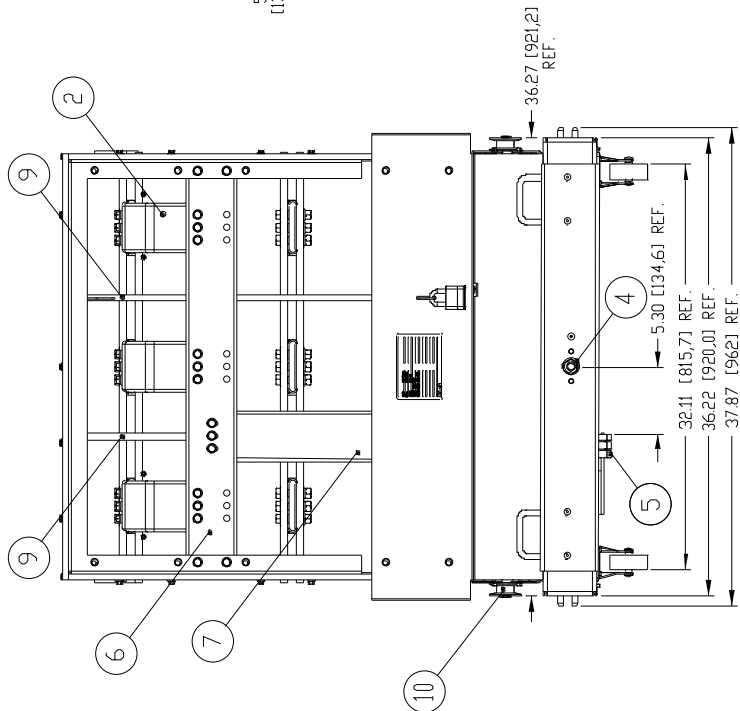
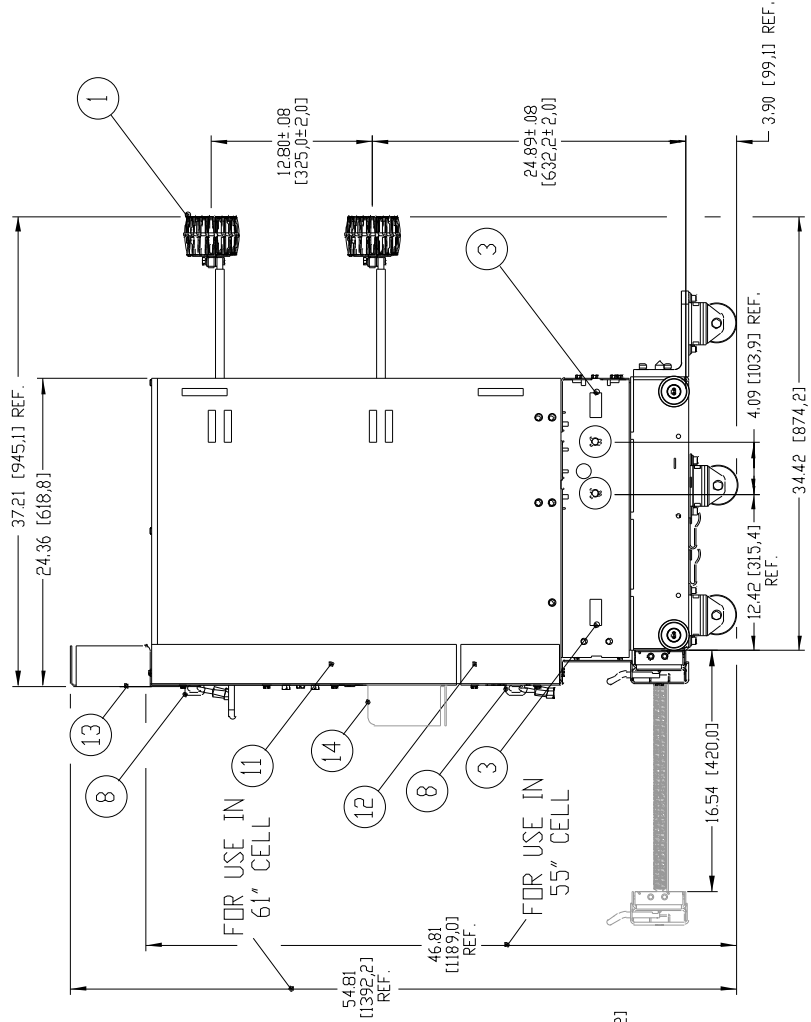
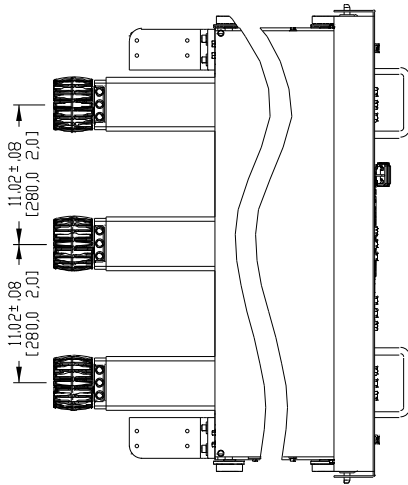


Heatsink



**For use with breaker shown
to the right and 61" Cell.**

- 1. 3000A MAIN DISCONNECT
- 2. REMOVABLE GROUND LINK
- 3. LIFTING HOLE
- 4. LEV-IN ACTUATOR
- 5. GROUNDING CONTACT
- 6. HORIZONTAL GROUND BUS
- 7. VERTICAL GROUND BUS
- 8. PADLOCK PROVISIONS
- 9. INSULATING BARRIERS
- 10. CELL ROLLERS
- 11. TOP FRONT COVER
- 12. BOTTOM FRONT COVER
- 13. TOP COVER EXTENSION
- 14. TOP COVER EXT. STOWED



Grounding Device with lifting fixture 72C2660G01

