

Suitable for VD4 Breaker Series

It is a device with all mechanism is used to earth bus bar of switchboard at the time of maintenance of bus bars to provide additional safety of the personnel involved in maintenance. Even after removal of incomer breaker panel the bus bars may contain charge, which is very dangerous. Bus truck is inserted into the breaker panel after removal of main breaker so that if it is operated bus bar will remain earthed during maintenance. This bus earthing truck is provided with a PT and hooter. PT is for sensing the voltage of bus bar. In case there is any voltage over bus bar then alarming sound appears from hooter which indicates that it is not safe to operate earth truck.

Operational procedure and caution for its operation are :

- Remove the main incomer breaker. Also bus couplers in case of multiple incoming sources. Ensure that any incomer breaker is not there in the circuit.
- Before inserting earthing truck ensure that moving contact of earthing truck is in the off (disengaged) position.
- Ensure that the 64 Pin Plug is inserted into the socket when the Earth Truck is in 'TEST' position.
- Ensure that the Rated Control Supply Voltage is connected to the Switchboard. The Rack-In operation is Interlocked through a Solenoid Coil-1 which if operated forcefully can result into Fatal Injury or death.
- Start Rack-In operation of the earthing truck from test to service position with the help of rack-in rack-out handle.
- If the circuit to be earthed is live it will raise alarm by hooter. In this case stop rack-in operation of the earthing truck and De - energize the Cable/Busbar Side.
- Ensure that the Control MCB "ON" Indication is coming. This ensures healthiness of PT Circuit which indicates the whether Busbar is LIVE or Not.
- If there is no alarm through Hooter, then rack in the earthing truck completely and observe VCB/Earthing Switch in "Service" indication on Switchboard Metering Compartment Door.
- If Both Control MCB "ON" indication is coming and there is No Hooter Sound when Earthing Switch is in "Service" Position, Engage the earthing truck moving contact to earth the bus bar under maintenance with the help of operation handle.
- The Earthing Switch On/Off Handle Operation is Interlocked through a Solenoid Coil-2 which is operated when the Busbar is de-energized. Do not operate forcefully otherwise it may result in Fatal Injury or death.
- Observed the Earthing Switch/VCB "ON" and VCB/Earthing Switch in "Service" indication on Switchboard Metering Compartment Door.
- To remove earthing truck, ensure that its moving contact is disengaged with the help of operation handle and then move earth truck from service to test position with the help of rack-in rack-out handle. Here is a mark of service mode at the right side, when aero match with red line, switch will be in service mode.

MODELS :

BUS SIDE 33 Kv S. NO. : 100911	CABLE SIDE 33 Kv S. NO. : 100912
BUS SIDE 11 Kv S. NO. : 100913	CABLE SIDE 11 Kv S. NO. : 100914



VE-100911



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