Basler Electric	www.basler.com +1 618.654.2341 (USA) info@basler.com	Model **Accessory Lifting Plate for Compact Rectifier Bridge** Part Number **9576410100**

INTRODUCTION

When space constraints prevent overhead lifting, the accessory lifting plate is used to lift and move the Basler compact rectifier bridge (CRB) with a forklift. The lifting plate has integrated pockets that mate with the forks of a forklift. These pockets ensure proper placement of the forklift forks and also serve as a platform for the CRB when it is placed on the floor or a flat, level surface. A lip on the left, front, and right sides of the lifting plate ensure proper placement of the plate on the CRB. Figure 1 illustrates the lifting plate mounted on a forklift and Figure 2 shows the CRB in place on the lifting plate.

Before moving the CRB, observe the following:

Warning!

The compact rectifier bridge contains components that carry live voltage or are subject to abnormally high voltage. Personal injury or death could result if CRB components are contacted while energized. As long as the controlled machine is physically connected to the excitation system, there is a possibility that a safety hazard exists.

- The excitation system must be fully de-energized before removing the CRB
- Exposed CRB components and wiring are vulnerable to damage if adequate care is not taken during moving and installation
- Only qualified personnel should attempt moving the CRB
- The weight of the CRB is 280 pounds (127 kilograms). Verify that the lifting capacity of your handling equipment is adequate.

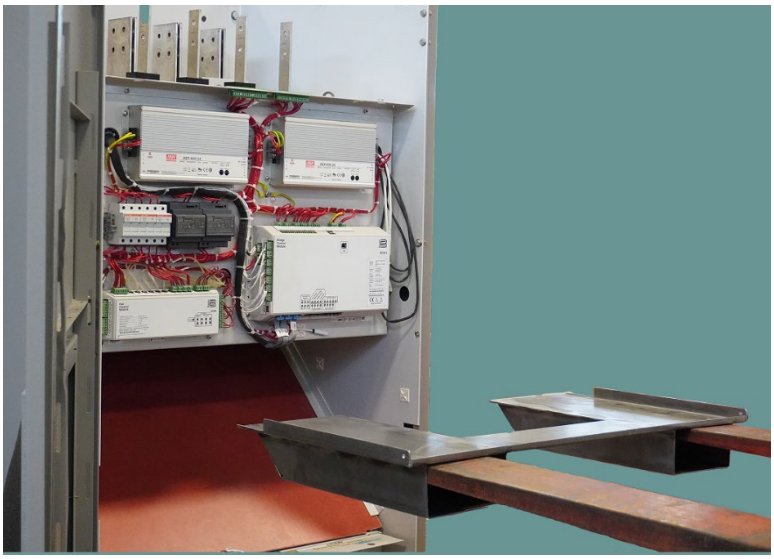

Figure 1. Lifting Plate Mounted on Forklift

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9576400991	**-**	***Instructions***	**Apr 2022**	**2022**

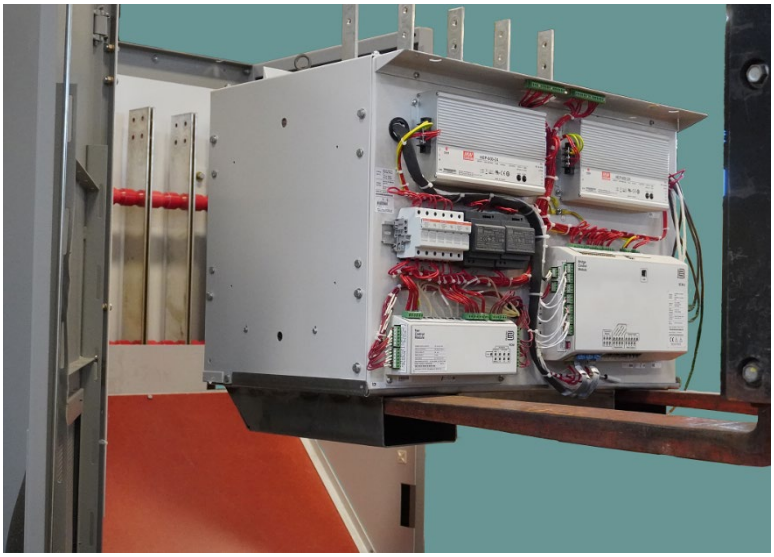

Figure 2. CRB in Place on Lifting Plate

CRB REMOVAL

To remove the CRB from an excitation enclosure, perform the following steps.

1. Remove the excitation system from service and ensure that the CRB is completely de-energized.
2. Disconnect the CRB from all external connections, including the bus bar connections above the CRB.
3. Remove the two lower sets of mounting hardware from the CRB.

Caution

Before positioning the lifting plate under the CRB, examine the area surrounding it to ensure that no hardware or wiring will impede removal of the CRB.

4. Position the lifting plate on the forks of the forklift and ensure that the forks are fully inserted in the fork pockets.
5. Move the lifting plate in place beneath the CRB and ensure that it is positioned correctly. The front lip should be against the CRB's front panel and the left and right lips of the plate should be visible on each side of the CRB. Care should be taken to avoid pinching any wires.
6. Apply slight lifting pressure to the CRB and then remove the two upper sets of mounting hardware.
7. Use the forklift to carefully remove the CRB from the enclosure and set the CRB in the desired location.

CRB INSTALLATION

For a CRB that is not already seated on a lifting plate (such as a new unit in its crate), overhead hoisting equipment must be used to lift the CRB in order to move the lifting plate in place under it.

Fastener torque recommendations for the mounting hardware and bus connections are provided in Basler publication 9410100990.

1. With the lifting plate positioned properly on the CRB and the forklift forks fully engaged in the fork pockets, move the CRB into place within the excitation enclosure.
2. Align the upper mounting holes of the CRB with those of the enclosure and secure the CRB with two sets of mounting hardware.
3. Separate the lifting plate from the CRB and withdraw it from the enclosure.
4. Finish securing the CRB in the enclosure by attaching the two lower sets of mounting hardware.
5. Restore all CRB connections and place the excitation system back in service.