

CUSTOMER COMMUNICATION

Design Upgrade

ACS6000 Local DC Link Replacement or Removal

Introduction

ABB continuously tracks product quality to develop enhancements to ensure the highest reliability and optimum performance of your drive.

Some of these enhancements are made available for updating older generation drives to support our customers to keep the performance of their drives at the highest possible level. ABB records these upgrades as “Design Upgrades” in our installed base database to support the local ABB Service Unit about the available upgrades for each individual drive.

Description

The Local DC Link Replacement kit for the power modules (ARU/INU with local DC link capacitors) is designed to ensure spare parts availability and introduce a capacitor with longer lifetime. The original capacitor is no longer available.

In some cases, it is even possible to remove the local DC link capacitor completely. Investigations showed that depending on line-up design and power the local DC link function may not be required. By removing the capacitor, the complexity is reduced and reliability is further increased.

ABB has been defining what action is required for each power module with local DC link. Removal and replacement may be mixed in one line-up as the example below shows:

ARU1	COU1	ARU2	CBU1	CBU2	INU1	TEU1	INU2	COU2	INU3	COU3	WCU1
Removal		Removal					Removal		Replacement		

It is recommended to perform the those upgrades during a scheduled preventive maintenance.

Material

The material kits are structured per modules (ARU/INU). Contact your local ABB contact to order the required material kits for your drives.

- Replacement kit: 3BHB040103R0001, Upgr. ARU/INU7/9 replace local DC-link
- Removal kit: 3BHB040103R0002, Upgr. ARU/INU7/9 remove local DC-link

For more information please contact:

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