

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

3AFE64803689

ABB DC-link charging resistor

01 PRODUCT IDENTIFICATION

Manufacturer	ABB
Exact model	3AFE64803689
Product family	ABB industrial drives
Component class	DC-link charging resistor
Primary function	Wirewound charging resistor

02 CONFIRM THE ORDERED CONFIGURATION

Signal or Power Path	CBHX165C5R414 identity
System Interface	Bolted cabinet installation
Mounting Arrangement	Drive precharge circuit
Configuration Reference	High-energy pulse duty
Replacement Control	Record wiring and companion hardware
Commissioning Check	Verify DC bus rise and bypass action

03 PREPARATION AND SAFETY

Only qualified personnel should install 3AFE64803689. Isolate every applicable energy source, prove a safe state, use ESD protection where required, and retain the controlled ABB instructions at the work location.

04

MODEL-SPECIFIC INSTALLATION WORKFLOW

1

VERIFY

Confirm the complete 3AFE64803689 identity and ABB industrial drives application.

2

DOCUMENT

Record high-energy pulse duty, adjacent hardware, labels and connections.

3

ISOLATE

Apply site lockout, discharge, absence-of-voltage and ESD controls appropriate to the equipment.

4

REMOVE

Support the DC-link charging resistor; release fasteners and connectors without forcing or distorting the assembly.

5

COMPARE

Match CBHX165C5R414 identity, interfaces, mechanical design and companion hardware.

6

INSTALL

Seat and retain the replacement evenly; restore documented wiring, shields, earth paths or mechanical covers.

7

COMMISSION

Verify DC bus rise and bypass action

MANUFACTURER DOCUMENT APPLICABILITY

The appended ABB manufacturer documentation provides the product-family identity, configuration, connection or service information used for this installation reference. Apply only the sections that match the exact installed hardware.

05 PRE-ENERGIZATION AND HANDOVER CHECKLIST

Identity	Exact 3AFE64803689 and manufacturer markings confirmed
Mechanical	High-energy pulse duty correctly seated and retained
Connections	Drive precharge circuit and documented interfaces restored
Configuration	Record wiring and companion hardware reviewed against the approved record
Functional test	Verify DC bus rise and bypass action
Documentation	Photos, settings, test results and replaced-part identity retained

06 CONTROLLED DOCUMENTS

ABB MANUFACTURER DOCUMENTATION

Source: <https://www.amikong.com/ABB-c37.html>. Use the manufacturer manual and the site-controlled drawings for terminal functions, torque values, firmware or software conditions, safety limits and final acceptance criteria.

DO NOT INFER UNDOCUMENTED VALUES

Do not infer compatibility, electrical ratings, terminal functions, replacement status or configuration from appearance or a partial model number.

AMIKON PRODUCT SUPPORT

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