

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

RRIA-01 3ABD68486408

ABB Resolver interface module

01 PRODUCT IDENTIFICATION

Manufacturer	ABB
Exact model	RRIA-01 3ABD68486408
Product family	ABB ACS800 drive options
Component class	Resolver interface module
Primary function	3ABD68486408

02 CONFIRM THE ORDERED CONFIGURATION

Input Device	Rotary resolver feedback
Signal Function	Convert resolver angle and speed
Module Supply	Drive option-module interface
Field Connection	Resolver excitation and feedback terminals
Mounting	Drive option-module installation
Commissioning Check	Verify direction, scaling and feedback status

03 PREPARATION AND SAFETY

Only qualified personnel should install RRIA-01 3ABD68486408. 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 RRIA-01 3ABD68486408 identity and ABB ACS800 drive options application.

2

DOCUMENT

Record resolver excitation and feedback terminals, 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 Resolver interface module; release fasteners and connectors without forcing or distorting the assembly.

5

COMPARE

Match Rotary resolver feedback, 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 direction, scaling and feedback status

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 RRIA-01 3ABD68486408 and manufacturer markings confirmed
Mechanical	Resolver excitation and feedback terminals correctly seated and retained
Connections	Drive option-module interface and documented interfaces restored
Configuration	Drive option-module installation reviewed against the approved record
Functional test	Verify direction, scaling and feedback status
Documentation	Photos, settings, test results and replaced-part identity retained

06 CONTROLLED DOCUMENTS

ABB MANUFACTURER DOCUMENTATION

Source: User-supplied or manufacturer-hosted official PDF. 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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