

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

SPHSS03

ABB Hydraulic servo module

01 PRODUCT IDENTIFICATION

Manufacturer	ABB
Exact model	SPHSS03
Product family	Symphony Plus turbine control
Component class	Hydraulic servo module
Primary function	Hydraulic servo valve control

02 CONFIRM THE ORDERED CONFIGURATION

Signal or Power Path	Current-drive output circuits
System Interface	Harmony turbine rack interface
Mounting Arrangement	Plug-in control module
Configuration Reference	PI and proportional control
Replacement Control	Record wiring and companion hardware
Commissioning Check	Stroke valve safely and verify feedback

03 PREPARATION AND SAFETY

Only qualified personnel should install SPHSS03. 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 SPHSS03 identity and Symphony Plus turbine control application.

2

DOCUMENT

Record pi and proportional control, 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 Hydraulic servo module; release fasteners and connectors without forcing or distorting the assembly.

5

COMPARE

Match Current-drive output circuits, 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

Stroke valve safely and verify feedback

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 SPHSS03 and manufacturer markings confirmed
Mechanical	PI and proportional control correctly seated and retained
Connections	Plug-in control module and documented interfaces restored
Configuration	Record wiring and companion hardware reviewed against the approved record
Functional test	Stroke valve safely and verify feedback
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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