A50-30-11 1SBL351001R8011 Installation & Verification Guide

A field-focused guide for recording, exchanging and proving A50-30-11 1SBL351001R8011 in its documented ABB A50 contactor and motor-control assemblies relationship.

01 Capture the installed arrangement

Record	Required evidence
Exact marking	A50-30-11 1SBL351001R8011
Installed position	Cabinet, rack, slot, circuit or mechanical location
Companion hardware	Connected module, carrier, socket, protection or field-interface identity
Wiring / interface	Terminal numbers, connector orientation, cable identity and protective earth
Configuration	Approved settings, jumpers, software version and application baseline
Operating baseline	Normal diagnostics, measured values and process response

Pre-removal controls

Prove coil voltage
Confirm the R8011 50/60 Hz supply.

Map all poles
Label three main poles and both auxiliary contacts.

Check coordination
Retain overload and short-circuit protective devices.

Torque conductors
Apply approved terminal values and inspections.

Test without load
Verify pickup, drop-out and auxiliary feedback.

Prove motor duty
Check phase current and interlocks under controlled load.

Model-specific checkpoints

ABB order code	1SBL351001R8011
Contactor type	A50-30-11
Main poles	3
Control circuit	AC operated
Rated operational power at 400 V AC-3	22 kW
Rated AC-1 current at 40 °C	100 A
UL/CSA motor rating at 480 V	40 hp
General-use rating at 600 V AC	80 A

Installed-system service map

Control voltage at 50 Hz	220-230 V AC
Control voltage at 60 Hz	230-240 V AC
Fitted auxiliary contacts	1 NO + 1 NC
Three-phase motor switching	Apply the documented AC-3 rating after checking motor duty and starts per hour.

Discuss the complete marking and installed application with Apter Power

sales13@apterpower.com | +86 18030235313

Scan the approved QR code for direct contact and quotation support.

02 Controlled replacement and commissioning sequence

01 Plan	Send the complete A50-30-11 1SBL351001R8011 marking, revision labels, current-unit photographs and installed position.
02 Isolate	Apply the approved electrical and process isolation; prove the safe state.
03 Record	Photograph labels, terminals, connector positions and the before-removal baseline.
04 Compare	Check complete marking, interface execution and included scope against the retained record.
05 Install	Restore grounding, cable support, clearances and protective parts without forced alignment.
06 Configure	Restore only the approved settings and documented installed-system relationship.
07 Energize	Apply power in the approved sequence and resolve abnormal diagnostics before application enable.
08 Prove	Compare the offered A50-30-11 1SBL351001R8011 interfaces, ratings and included items with the approved system record before ordering.
09 Handover	Retain readings, photographs, configuration evidence and accepted deviations.

Commissioning and acceptance evidence

Identity	Exact marking and current-unit photographs
Mechanical	Mounting, alignment, clearance and cable-support record
Electrical	Supply, protective earth, terminals, continuity and interface identity
Configuration	Approved settings, application and companion hardware
Functional result	Representative control, communication, relay or protection proof
Release	Technician, date, deviation disposition and handover record

Targeted engineering questions

What should be checked before transferring wiring to A50-30-11 1SBL351001R8011?

Record all three main poles, coil terminals, auxiliary contacts, overload links and any front or side accessories.

How should the short-circuit protection for A50-30-11 1SBL351001R8011 be verified?

Use the approved ABB coordination table for the actual supply, prospective current, overload relay and protective device.

What mechanical checks follow installation of A50-30-11 1SBL351001R8011?

Verify mounting, terminal torque, unobstructed armature movement and correct contactor seating before energization.

What proves functional acceptance of A50-30-11 1SBL351001R8011?

Confirm reliable pick-up and drop-out, balanced phase continuity, auxiliary feedback and motor current under controlled operation.

Verified related product pages

Recommended product	ABB 63NHG00B-690 3ABD0001782
Recommended product	ABB CBHX165C 5R 414
Recommended product	ABB DRM570024LT AU 4CO 24V 3ABD00036448
Recommended product	ABB RCM 230VAC 3C/0 3ABD00029943

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