ABB A50-30-11 1SBL351001R8011

Three-Pole AC-Operated Contactor

ABB A50-30-11 1SBL351001R8011 Three-Pole AC-Operated Contactor with verified technical identity, model-specific selection data and controlled commissioning guidance.

01 Product identity and selection data

Complete model	A50-30-11 1SBL351001R8011
Product type	Three-Pole AC-Operated Contactor
Manufacturer	ABB
System / platform	ABB A50 contactor and motor-control assemblies

02 Exact-model technical capability map

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
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

03 Engineering role and selection boundary

Motor-duty switching
The A50 frame is rated for 22 kW at 400 V AC-3 in the documented catalog conditions.

Order-code defined coil
R8011 selects the 220-230 V 50 Hz / 230-240 V 60 Hz control-voltage execution.

Built-in control feedback
One normally open and one normally closed auxiliary contact are fitted to the exact type.

Exact marking
Approve the complete order reference only after the installed interfaces and companion hardware agree.

Technical basis	ABB Motor Protection and Control main catalog, order code 1SBL351001R8011
Installed relationship	ABB A50 contactor and motor-control assemblies
Release gate	Resolve identity, interface and compatibility differences in the written offer before release.

04 Engineering overview and system application

A50-30-11 order code 1SBL351001R8011 is a three-pole, AC-operated ABB contactor for motor and power-circuit control. Its exact R8011 suffix defines the control-coil voltage.

ABB catalogs the A50 execution at 22 kW for 400 V AC-3 duty and 100 A for AC-1 duty at 40 °C. Application selection still depends on utilization category, switching frequency, enclosure temperature and short-circuit coordination.

Before exchange, record the coil supply, main and auxiliary wiring, overload arrangement and mechanical accessories. Commission with the load controlled and prove pick-up, drop-out, phase continuity and auxiliary-contact feedback.

Application map

Three-phase motor switching

Apply the documented AC-3 rating after checking motor duty and starts per hour.

Power-circuit control

Use the AC-1 rating only under the catalog temperature and utilization conditions.

Panel contactor replacement

Preserve coil voltage, auxiliary contacts, accessories and terminal wiring.

Motor-starter maintenance

Coordinate the contactor with overload and short-circuit protection.

Lifecycle and available-unit boundary

Lifecycle status	Current catalog-supported contactor execution
Supply scope	the A50-30-11 1SBL351001R8011 three-pole ac-operated contactor; companion hardware only when itemized
Dispatch	Swift global dispatch
Selection basis	Complete marking, installed relationship and written quotation

Technical notes and evidence boundary

Exact identity	A50-30-11 1SBL351001R8011
Documented function	Three-Pole AC-Operated Contactor
Technical evidence	ABB Motor Protection and Control main catalog, order code 1SBL351001R8011
Evidence boundary	Only the documented ABB A50 contactor and motor-control assemblies relationship and stated exact-model values are applied
Commissioning record	Retain installed markings, configuration and functional proof

Additional verified exact-model data

Evidence scope	No adjacent-model value is applied without a documented exact-model relationship.

05 Installation and product precautions

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.

Controlled verification sequence

01 Record	Send the complete A50-30-11 1SBL351001R8011 marking, revision labels, current-unit photographs and installed position.
02 Isolate	Apply the approved isolation and prove the safe state before disturbing the installed arrangement.
03 Compare	Reconcile the complete marking, interfaces, companion hardware and approved system record.
04 Prove	Compare the offered A50-30-11 1SBL351001R8011 interfaces, ratings and included items with the approved system record before ordering.
05 Handover	Retain photographs, settings, readings, diagnostics and accepted deviations.

Engineering decision questions

Which coil voltage is built into A50-30-11 1SBL351001R8011?
Order suffix R8011 specifies 220-230 V AC at 50 Hz and 230-240 V AC at 60 Hz.

What motor rating applies to A50-30-11 1SBL351001R8011 at 400 V?
ABB lists 22 kW at 400 V for AC-3 duty under the catalog conditions.

How does the AC-1 rating of A50-30-11 1SBL351001R8011 differ from the AC-3 rating?
AC-1 is a current rating for non-inductive or slightly inductive loads; AC-3 is the motor-duty operating-power rating.

Which auxiliary contacts are fitted to A50-30-11 1SBL351001R8011?
The exact A50-30-11 execution includes one normally open and one normally closed auxiliary contact.

Verified related product pages

Recommended product	ABB PM511V16 3BSE011181R1
Recommended product	ABB F4332D 3HAC024322-001
Recommended product	ABB 170M5388/PC72UD13C250T 3AUA0000090404
Recommended product	ABB 170M6467 3AUA0000062487

Discuss the complete marking and installed application with Apter Power

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