

6SL3352-1AE37-5BA1

SINAMICS 745 A Replacement Power Block for V and W Phases

Siemens 6SL3352-1AE37-5BA1 is a SINAMICS 745 A replacement power block for the V and W phases of a 380-480 V AC Drive/Power Module. It restores the two inverter phase sections within the matching drive power assembly.

PRODUCT SNAPSHOT

BRAND

Siemens

FAMILY

SINAMICS AC Drive/Power Module

PART

6SL3352-1AE37-5BA1

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PRODUCT OVERVIEW

Siemens 6SL3352-1AE37-5BA1 is a SINAMICS 745 A replacement power block for the V and W phases of a 380-480 V AC Drive/Power Module. It restores the two inverter phase sections within the matching drive power assembly.

1

Provides the V- and W-phase semiconductor power section of the specified AC Drive/Power Module

2

Carries the documented 745 A power path for the 380-480 V three-phase drive execution

3

Uses painted power assemblies for the identified replacement configuration

4

Uses nickel-plated busbars at the documented high-current interconnections

SYSTEM COMPONENTS

matching SINAMICS AC Drive/Power Module chassis

documented V- and W-phase busbar positions

approved gate-drive and control connections

installed cooling and protective-conductor arrangement

TECHNICAL NOTE

Isolate and discharge the complete drive DC link before removing the 6SL3352-1AE37-5BA1 power block. Match the V/W phase position, busbar interfaces, control connectors and cooling path before controlled energization.

TECHNICAL DATA

PARAMETER	VALUE
Product type	Replacement power block
Supply system	3 AC
Voltage range	380-480 V
Line frequency	50/60 Hz
Rated current	745 A

PARAMETER	VALUE
Power section	V and W phases
Module finish	Painted
Busbar finish	Nickel-plated
Export classification	AL:N / ECCN:EAR99H
Quantity unit	1 piece

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6ES7954-8LC04-0AA0	SIMATIC 4 MB memory card	View 6ES7954-8LC04-0AA0 page
6EP3334-8SB00-0AY0	SITOP PSU8200 regulated power supply	View 6EP3334-8SB00-0AY0 page
6ES7153-2AA02-0XB0	SIMATIC ET 200M interface module	View 6ES7153-2AA02-0XB0 page
6ED1052-1MD00-0BA5	LOGO! modular logic module	View 6ED1052-1MD00-0BA5 page
6ES7332-5HD01-0AB0	SIMATIC S7-300 analog output module	View 6ES7332-5HD01-0AB0 page
6EP1333-4BA00	SIMATIC PM 1507 load power supply	View 6EP1333-4BA00 page
6SL3351-1AE37-5BA1	SINAMICS rectifier/U-phase replacement power block	View 6SL3351-1AE37-5BA1 page
6SL3350-6TK00-0BA0	SINAMICS liquid-cooled control interface module	View 6SL3350-6TK00-0BA0 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

V/W phase-section restoration

Provides the V- and W-phase semiconductor power section of the specified AC Drive/Power Module

Large motor-drive power maintenance

Carries the documented 745 A power path for the 380-480 V three-phase drive execution

High-current drive cabinet refurbishment

Uses painted power assemblies for the identified replacement configuration

Controlled power-module recommissioning

Uses nickel-plated busbars at the documented high-current interconnections

PRODUCT PRECAUTIONS

- 1 Verify the complete 6SL3352-1AE37-5BA1 marking and the V/W phase assignment before dismantling the drive.
- 2 Isolate incoming three-phase power and prove the DC link discharged with the approved procedure.
- 3 Record every busbar, gate-drive, sensor, cooling and protective-conductor connection before removal.
- 4 Protect semiconductor assemblies from ESD and avoid mechanical loading of the control connectors.
- 5 Inspect nickel-plated busbar contact faces and retain the manufacturer-specified hardware arrangement.
- 6 Confirm the painted module execution and the 745 A, 380-480 V drive identity before installation.
- 7 Energize through the approved commissioning sequence and observe drive diagnostics before enabling the motor.
- 8 Verify V/W phase output behavior under controlled conditions before returning the machine to automatic service.

ENGINEER FAQ

Q1 Which phase positions does 6SL3352-1AE37-5BA1 replace?

It is the Siemens replacement power block for the V and W phases of the specified AC Drive/Power Module.

Q2 Which drive electrical execution must match 6SL3352-1AE37-5BA1?

Match the installed 380-480 V three-phase, 50/60 Hz, 745 A AC Drive/Power Module execution.

Q3 What must be discharged before removing 6SL3352-1AE37-5BA1?

Isolate the incoming supply and complete the approved DC-link discharge and absence-of-voltage verification before opening the power section.

Q4 Which connections should be documented before exchanging 6SL3352-1AE37-5BA1?

Record V/W busbars, gate-drive plugs, sensor leads, cooling interfaces and protective bonding before disassembly.

Q5 How should the busbar interfaces of 6SL3352-1AE37-5BA1 be inspected?

Check the nickel-plated contact surfaces, insulators and fastening hardware for contamination, damage and correct position.

Q6 Can 6SL3352-1AE37-5BA1 be installed in a different current-class drive?

The complete 745 A, 380-480 V execution and the V/W phase function must match the installed power module.

Q7 Which start-up checks are required after fitting 6SL3352-1AE37-5BA1?

Use the approved drive start-up sequence, review diagnostics and verify the V/W phase behavior under controlled conditions.

Q8 What service record should be retained for 6SL3352-1AE37-5BA1?

Retain the exact identity, as-found connections, installed phase position, fastening inspection and final functional-test result.

SOURCE Siemens Industry Mall product record | 6SL3352-1AE37-5BA1 / product group 4929 / group code R2S7

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