

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SINAMICS AC Drive/Power Module
Part number	6SL3352-1AE37-5BA1
Country	Germany
HS code	85049090

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named Siemens product record.

PARAMETER	TECHNICAL VALUE
Product type	Replacement power block
Supply system	3 AC
Voltage range	380-480 V
Line frequency	50/60 Hz
Rated current	745 A
Power section	V and W phases
Module finish	Painted
Busbar finish	Nickel-plated
Export classification	AL:N / ECCN:EAR99H
Quantity unit	1 piece

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	matching SINAMICS AC Drive/Power Module chassis
Companion hardware	documented V- and W-phase busbar positions
Field connection	approved gate-drive and control connections
Primary system function	Provides the V- and W-phase semiconductor power section of the specified AC Drive/Power Module
Controlled acceptance duty	V/W phase-section restoration

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System Role and Architecture

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.

FUNCTION 1

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

FUNCTION 2

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

FUNCTION 3

Uses painted power assemblies for the identified replacement configuration

FUNCTION 4

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

Matched 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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	matching SINAMICS AC Drive/Power Module chassis
Companion hardware	documented V- and W-phase busbar positions
Field connection	approved gate-drive and control connections
Primary system function	Provides the V- and W-phase semiconductor power section of the specified AC Drive/Power Module
Controlled acceptance duty	V/W phase-section restoration

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Applications and Engineering Context

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

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	6SL3352-1AE37-5BA1 / 6SL3352-1AE37-5BA1 recorded
Physical interface	matching SINAMICS AC Drive/Power Module chassis
Companion check	documented V- and W-phase busbar positions
Functional proof	Provides the V- and W-phase semiconductor power section of the specified AC Drive/Power Module
Application test	V/W phase-section restoration

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Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6EP1434-2BA20	SITOP PSU300S stabilized power supply	View 6EP1434-2BA20 page
6ES7432-1HF00-0AB0	SIMATIC S7-400 analog output module	View 6ES7432-1HF00-0AB0 page
6ES7414-3EM07-0AB0	SIMATIC S7-400 CPU	View 6ES7414-3EM07-0AB0 page
6GK1561-2AA00	SIMATIC PROFIBUS communications processor	View 6GK1561-2AA00 page
6ES7590-1AB60-0AA0	SIMATIC S7-1500 mounting rail	View 6ES7590-1AB60-0AA0 page
6AV2124-0QC02-0AX1	SIMATIC HMI TP1500 Comfort panel	View 6AV2124-0QC02-0AX1 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

MANUFACTURER SOURCE RECORD

Siemens Industry Mall product record

6SL3352-1AE37-5BA1 / product group 4929 / group code R2S7

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