

Installation Identity and Scope

RELIANCE GV3000/SE GV3000E-AC005-AA-DBU-RFI is a GV3000/SE AC drive identified by the AC005 power-unit class and the complete DBU/RFI option string. The official power-unit manual specifies a 10 A line-input current without a choke, 8 A with a choke and a 16 A nominal external fuse for AC005.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	GV3000/SE GV3000E-AC005-AA-DBU-RFI
Manufacturer	RELIANCE
Hardware type	GV3000/SE AC Drive
System family	GV3000/SE
Official source	GV3000-UM060-EN-P / 49'1327, AC005 tables

CONTROLLED ENGINEERING COPY

Use only the complete RELIANCE GV3000/SE GV3000E-AC005-AA-DBU-RFI identity and the current manufacturer documentation. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

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GV3000/SE GV3000E-AC005-AA-DBU-RFI

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete GV3000/SE GV3000E-AC005-AA-DBU-RFI nameplate.
2	Lock out line power and verify the DC bus is discharged before work.
3	Back up every regulator, motor and application parameter.
4	Confirm the AC005 line current, choke and 16 A fuse arrangement.
5	Retain the DBU and RFI option wiring and grounding exactly.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	GV3000/SE GV3000E-AC005-AA-DBU-RFI
Physical interface	Exact RELIANCE GV3000/SE GV3000E-AC005-AA-DBU-RFI nameplate and installed revision
Companion check	Documented GV3000/SE AC Drive system position and companion hardware
Configuration	Labeled field, power, communication and grounding connections
Functional proof	Saved configuration plus a controlled functional-test record

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 39SAMCAN-16133-71-9	View Siemens 39SAMCAN-16133-71-9
Siemens 39SDM024DCCBN-16101-174-8	View Siemens 39SDM024DCCBN-16101-174-8
Siemens 39VIMCCN-16171-126-3	View Siemens 39VIMCCN-16171-126-3
Siemens 39VIMCCN-16171-126-6	View Siemens 39VIMCCN-16171-126-6
Siemens 39VIMCCN-A5E00282175-07	View Siemens 39VIMCCN-A5E00282175-07

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record RELIANCE GV3000/SE GV3000E-AC005-AA-DBU-RFI and the installed revision exactly.
Drive family	Verify the documented value: GV3000/SE.
Power-unit class	Verify the documented value: AC005.
Connections	Label every installed interface, common, shield and protective-ground connection.
Configuration	Back up and restore the model-specific settings, mappings and approved limits.
Functional proof	Test the complete GV3000/SE AC Drive function under a controlled maintenance state.

CONFIGURATION BOUNDARY

Use only the complete RELIANCE GV3000/SE GV3000E-AC005-AA-DBU-RFI identity and the current manufacturer documentation. Verify the installed revision, companion hardware, wiring and saved configuration before replacement or release.

Expected Technical Values

PARAMETER	VALUE
Drive family	GV3000/SE
Power-unit class	AC005
Line input current without choke	10 A
Line input current with choke	8 A

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 3RN2011-1BA30	View Siemens 3RN2011-1BA30
Siemens 3RT5044-1AN20	View Siemens 3RT5044-1AN20

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	The complete GV3000/SE GV3000E-AC005-AA-DBU-RFI marking and revision agree with the engineering record.
Compatibility	System position, companion hardware and interfaces match the manufacturer documentation.
Configuration	Saved values, channel mappings and protection limits are restored without unexplained change.
Functional proof	Diagnostics and the model-specific controlled test pass without unexplained fault.

Model-Specific Questions

QUESTION	ENGINEERING ANSWER
What is RELIANCE GV3000/SE GV3000E-AC005-AA-DBU-RFI?	It is a GV3000/SE AC005 drive with the complete AA-DBU-RFI option identity.
What line current is documented for RELIANCE GV3000/SE GV3000E-AC005-AA-DBU-RFI?	The AC005 table gives 10 A without a choke and 8 A with a choke.
Which nominal external fuse is specified for RELIANCE GV3000/SE GV3000E-AC005-AA-DBU-RFI?	The official AC005 table lists a 16 A nominal external fuse.
Why must the DBU-RFI suffix be retained for RELIANCE GV3000/SE GV3000E-AC005-AA-DBU-RFI?	It identifies installed drive options whose wiring, grounding and commissioning requirements must remain matched.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 3RT6015-1BB41	View Siemens 3RT6015-1BB41
Siemens 3RT6024-1AN20	View Siemens 3RT6024-1AN20
Siemens 3RT6025-1AN20	View Siemens 3RT6025-1AN20
Siemens 3SK2122-1AA10	View Siemens 3SK2122-1AA10
Siemens 3TF5422-0XM0	View Siemens 3TF5422-0XM0

FAQ, Source and Controlled Release

QUESTION	ENGINEERING ANSWER
What must be backed up before replacing RELIANCE GV3000/SE GV3000E-AC005-AA-DBU-RFI?	Back up motor data, regulator parameters, I/O assignments, fault settings and option configuration.
What safety check is essential before handling RELIANCE GV3000/SE GV3000E-AC005-AA-DBU-RFI?	Lock out the line supply and verify the DC bus has discharged according to the power-unit manual.
What confirms successful commissioning of RELIANCE GV3000/SE GV3000E-AC005-AA-DBU-RFI?	Correct motor identification, direction, speed regulation, DBU/RFI behavior and fault response confirm release.

MANUFACTURER SOURCE RECORDS

Rockwell Automation GV3000/SE Power Unit Manual - GV3000-UM060-EN-P / 49'1327, AC005 tables
Rockwell Automation GV3000/SE Power Unit Manual - GV3000-UM060-EN-P / 49'1327, AC005 tables

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	GV3000/SE GV3000E-AC005-AA-DBU-RFI recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

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