

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

GV3000/SE AC Drive

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.

BRAND	RELIANCE	MODEL	GV3000/SE GV3000E-AC005-AA-DBU-RFI
PRODUCT	GV3000/SE AC Drive	FAMILY	GV3000/SE
OFFICIAL SOURCE	Rockwell Automation GV3000/SE Power Unit Manual	RECORD	GV3000-UM060-EN-P / 49'1327, AC005 tables

DOCUMENT SCOPE

Official technical evidence, controlled engineering checks, model-specific FAQ and related product navigation.

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

Product Overview and Applications

SYSTEM FUNCTION

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.

FUNCTION 1

Provides the documented GV3000/SE AC005 power-unit function

FUNCTION 2

Retains the complete DBU and RFI option identity

FUNCTION 3

Supports controlled motor operation through the configured regulator

FUNCTION 4

Provides documented internal test points for service verification

APPLICATION	ENGINEERING CONTEXT
AC motor control	Regulates a matched motor using the approved GV3000/SE configuration.
Variable-speed process drive	Controls speed and torque through the documented regulator parameters.
Dynamic-braking application	Uses the complete DBU option arrangement specified by the installed drive.
RFI-controlled installation	Retains the documented RFI option and grounding arrangement.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Drive family	GV3000/SE
Power-unit class	AC005
Line input current without choke	10 A
Line input current with choke	8 A
Nominal external fuse	16 A
Option identity	AA-DBU-RFI, retain the complete ordered suffix
Controller test supplies	+5 V $\pm 2\%$, +15 V $\pm 10\%$ and -15 V $\pm 10\%$
AC005 current-feedback test factor	Motor current $\times 0.37$ V

Acceptance Path

1 IDENTITY

The complete GV3000/SE GV3000E-AC005-AA-DBU-RFI marking and revision agree with the engineering record.

2 COMPATIBILITY

System position, companion hardware and interfaces match the manufacturer documentation.

3 CONFIGURATION

Saved values, channel mappings and protection limits are restored without unexplained change.

4 FUNCTIONAL PROOF

Diagnostics and the model-specific controlled test pass without unexplained fault.

Precautions and Model-Specific FAQ

NO.	PRECAUTION	QUESTION	ANSWER
1	Verify the complete GV3000/SE GV3000E-AC005-AA-DBU-RFI nameplate.	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.
2	Lock out line power and verify the DC bus is discharged before work.	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.
3	Back up every regulator, motor and application parameter.	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.
4	Confirm the AC005 line current, choke and 16 A fuse arrangement.	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.
5	Retain the DBU and RFI option wiring and grounding exactly.		
6	Label motor, line, braking and control connections before removal.		
7	Compare internal test supplies only under the manufacturer service procedure.		
8	Complete motor identification, direction, speed and fault tests before release.		

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
Siemens 3TY7540-0A	View Siemens 3TY7540-0A

FAQ, Related Products and Sources

QUESTION	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.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 3TY7560-0A	View Siemens 3TY7560-0A
Siemens 3VL9300-3HF05	View Siemens 3VL9300-3HF05
Siemens 505-7003	View Siemens 505-7003
Siemens 562-001	View Siemens 562-001
Siemens 6AR1304-0CA00-0AA0	View Siemens 6AR1304-0CA00-0AA0
Siemens 6AV2124-0QC02-0AX1	View Siemens 6AV2124-0QC02-0AX1
Siemens 6AV2124-1MC01-0AX0	View Siemens 6AV2124-1MC01-0AX0
Siemens 6AV3503-1DB10	View Siemens 6AV3503-1DB10

MANUFACTURER SOURCE RECORDS

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