

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	RELIANCE
Complete model	GV3000/SE GV3000E-AC005-AA-DBU-RFI
Product role	GV3000/SE AC Drive
System family	GV3000/SE
Source record	GV3000-UM060-EN-P / 49'1327, AC005 tables

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

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Technical Specifications

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 ±2%, +15 V ±10% and -15 V ±10%
AC005 current-feedback test factor	Motor current × 0.37 V

ENGINEERING 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.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Reliance Electric 57C443A	View Reliance Electric 57C443A
Reliance Electric DCC53120-DCC2000	View Reliance Electric DCC53120-DCC2000
Reliance Electric DCC53120-DCC2102	View Reliance Electric DCC53120-DCC2102
Siemens 39RTMCAN-16207-61-13	View Siemens 39RTMCAN-16207-61-13
Siemens 39SAMCAN-16133-71-04	View Siemens 39SAMCAN-16133-71-04
Siemens 39SAMCAN-16133-71-13	View Siemens 39SAMCAN-16133-71-13

System Role and Common Applications

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.

ACCEPTANCE DUTY

Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

Engineering Precautions and FAQ

NO.	PRECAUTION
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.
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.

QUESTION	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 39SAMCAN-16133-71-8	View Siemens 39SAMCAN-16133-71-8
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

FAQ, Related Products and Official 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.

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

MANUFACTURER SOURCE RECORDS

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