General Electric 531X307LTBAKG1

Complete Product Information | decision matrix

GE 531X307LTBAKG1 is a LAN I/O terminal board for the DC2000 drive control family, providing labeled field-input and output terminations through the 531X307LTB board design.

02 Configuration and interface matrix

Board design	531X307LTB LAN I/O terminal board
Board group	G1 family; complete KG1 revision marking
Control inputs	Eight labeled IN1-IN8 on the observed board
Relay outputs	Seven labeled OT1-OT7 on the observed board
Output contacts	Form C, non-fused, in the G1 family manual
Output rating, family	0.6 A at 125 V AC / 110 V DC; 2 A at 30 V DC
Input AC range, family	24-230 V AC, 60 Hz; 115-230 V AC, 50 Hz
Input DC range, family	24-250 V DC
Terminal wire, family	28-14 AWG
Interconnection, family	26-conductor ribbon, 20 ft maximum
Drive interface	External contactors, indicators, pushbuttons and interlocks

03 Application roles and compatibility

Operator and interlock inputs

Land documented pushbutton, limit and permissive contacts on the assigned IN points, preserving the drive's input logic and voltage scheme.

Contactor and alarm outputs

Use the seven relay-output positions for specified drive commands or indications within the connected load and external protection limits.

Pilot-relay interface

Connect the LTB pilot circuits to the intended higher-current relay board only when the cabinet design includes that arrangement.

Drive-service replacement

Exchange the board against the complete KG1 marking and as-built terminal map, then prove each used input and output from field device to controller.

Practical compatibility boundary

GEH-6005 describes the 531X307LTB G1 board family, including eight inputs and seven relay outputs. The supplied KG1 revision is identified by its complete board marking; verify its installed wiring and revision before applying family-level ratings.

04 Product precautions

Isolate every field source

De-energize drive and separately supplied field circuits. Confirm safe voltage at input and output terminal rows before handling the board.

Preserve terminal identity

Label conductors at IN1-IN8 and OT1-OT7; record polarity, commons and external protection before disconnecting any wire.

Control output loading

The G1 family Form C contacts are non-fused. Check the connected load and provide external protection appropriate to the actual circuit.

Separate ribbon and power

Route the controller ribbon connection away from power conductors; capacitive coupling or leakage can hold inputs in an unintended ON state.

05 Offered unit and lifecycle

Condition: New, original product. Confirm the terminal board and any mating ribbon connectors in the quotation; field cables, external relays and the drive controller are separate unless listed.

Lifecycle status

Complete-model phase: A current manufacturing and support phase for GE 531X307LTBAKG1 has not been established for the KG1 revision. Replacement review: Request current guidance using the full board marking, drive family, connector arrangement and cabinet I/O drawing. Other 531X307LTB revisions are assessed against the installed wiring before substitution. Supply boundary: Apter Power availability and offered condition are separate from the manufacturer's lifecycle phase.

Discuss the fitted revision.
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Source: GE DC2000 Digital Adjustable Speed Drive Instruction Manual, GEH-6005; original GE text copy

Other General Electric references

General Electric DS200FSAAG1A

General Electric DS200FSAAG1ABA

General Electric DS200FSAAG2ABA

Catalog navigation only; verify each model separately.