# DS200TBCAG1AAB

External I/O Terminal Board

General Electric DS200TBCAG1AAB is a external i/o terminal board for Mark V Speedtronic external-I/O path.

## DS200TBCAG1AAB configuration dashboard

**Installed-system continuity**

Provides the cabinet terminal interface for documented external I/O wiring without redefining the approved equipment architecture.

**Identity-led replacement**

The complete DS200TBCAG1AAB marking keeps revision, interface and fitted-position decisions tied to the actual unit.

**Controlled return to service**

Connector, terminal, setting and diagnostic evidence are checked before the affected function is released.

### Exact order-code identity

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| **Product type** | External I/O Terminal Board |
| **Product family** | DS200 / Mark V |
| **Functional acronym** | TBCA |
| **Board role** | External I/O terminal interface |
| **Field interface** | Two terminal-block groups |
| **Board connectors** | Two multi-pin board connectors |
| **Signal context** | Analog and discrete field wiring |
| **Installation context** | Mark V I/O core terminal assembly |

DS200TBCAG1AAB performs a defined external i/o terminal board role: it provides the cabinet terminal interface for documented external I/O wiring. Selection is based on the complete marking and the documented DS200 / Mark V execution.

## External I/O Terminal Board technical capability map

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| **Configuration control** | Preserve terminal and connector identity | **Revision suffix** | G1AAB |

## Installed signal or connection path

**Field signal** > **Termination block** > **DS200TBCAG1AAB** > **LocalBus** > **Control strategy**

## System interpretation boundary

The verified technical rows distinguish exact-model identity from family-level system context. Dimensions and weight are shipping estimates supplied for this offered item; technical acceptance follows the installed drawing and manufacturer evidence.

Before exchange, record the fitted position, every connector or terminal identity, adjustable settings and the healthy operating baseline. After installation, prove the affected function under a controlled site procedure.

# Application fit decisions for DS200TBCAG1AAB

### Exact-model service replacement

Replace the same DS200TBCAG1AAB execution after documenting the installed interface.

### System maintenance

Retain the Mark V Speedtronic external-I/O path relationship and approved drawing references.

### Controlled fault isolation

Separate board, wiring, power and companion-hardware causes before substitution.

### Commissioning evidence

Capture diagnostics and a functional test of the affected external i/o terminal board path.

## Engineering decision matrix

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| **Which installed identity details must be recorded for DS200TBCAG1AAB?** | Record the full label, fitted position, connector or terminal map, and every adjustable setting before removal. |
| **What interface check is most important before replacing DS200TBCAG1AAB?** | Compare the receiving hardware and every keyed, numbered or polarized connection with the approved drawing. |

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| **How should settings be controlled when servicing DS200TBCAG1AAB?** | Photograph and transcribe jumpers, switches, firmware or range selections that apply to this exact execution. |
| **What should be inspected before fitting DS200TBCAG1AAB?** | Inspect contacts, terminal hardware, board supports, protective earth and nearby wiring for damage or contamination. |

Applications must be evaluated against the exact installed machine drawing, target, companion hardware and receiving channel. Related product references do not imply substitution.

## DS200TBCAG1AAB service controls and maintenance logic

### Capture the complete marking

Photograph DS200TBCAG1AAB and all secondary labels before removal.

### Preserve installed settings

Record jumpers, switches, firmware, ranges or calibration references that apply.

### Control stored energy

Follow the approved isolation and electrostatic handling procedure.

### Label every connection

Mark conductors, plugs, fibers or tubing by their installed identifiers.

### Inspect mating hardware

Check contacts, terminals, guides, supports and protective earth.

### Prove the affected function

Verify diagnostics and actual process or equipment response before handover.

## Additional technical questions

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| **Which companion hardware must be verified with DS200TBCAG1AAB?** | Confirm the associated controller, terminal board, rack, power source or field device named by the installed design. |
| **How should energization be managed after installing DS200TBCAG1AAB?** | Restore energy in the approved sequence, watch diagnostics, and stop if the expected healthy state is not obtained. |
| **What functional proof adds technical value for DS200TBCAG1AAB?** | Exercise the affected signal, protection, power or communications path and retain before-and-after readings. |
| **What handover record is required after commissioning DS200TBCAG1AAB?** | Keep the exact part marking, installed photographs, settings, test results, deviations and responsible approval. |

## Technical notes

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| **Evidence boundary** | GE Mark V hardware reference GEH-6153 |
| **Exact-model rule** | Do not infer interchangeability from a similar family code; match DS200TBCAG1AAB completely. |
| **Acceptance record** | Retain identity, interface, settings, diagnostics and functional proof. |
| **Installed function** | DS200TBCAG1AAB is controlled as the external i/o terminal board used in Mark V Speedtronic external-I/O path. |
| **Receiving comparison** | Compare complete marking, mechanical execution, connectors and all secondary labels before acceptance. |
| **Connection record** | Retain connector, terminal, cable or field-device identities in their installed sequence. |
| **Setting record** | Preserve every fitted jumper, switch, firmware, range or adjustment reference that applies. |
| **As-found baseline** | Capture the healthy static value, indication or communications state before disturbing the assembly. |
| **As-left proof** | Record diagnostics plus a controlled functional result for the affected external i/o terminal board path. |
| **Document package** | File photographs, test readings, deviations, approvals and the applicable drawing revision together. |

# DS200TBCAG1AAB source record and supported references

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| **Manufacturer reference** | GE Mark V hardware reference GEH-6153 |
| **Applicability** | Facts are limited to the exact order-code selections and stated matched-system conditions. |
| **Public page** | Exact product page linked from the first-page model title |
| **Evidence boundary** | No neighboring-model option or unsupported lifecycle conclusion is assigned to this product. |

## Verified related product references and contact

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| Recommended product | General Electric DS200DTBCG1AAA |
| Recommended product | General Electric DS200TBQBG1ACB |
| Recommended product | General Electric DS200TBQCG1ABB |
| Recommended product | General Electric DS200TCPSG1AME |
| Recommended product | General Electric DS3800NGDC1A1A |

**Discuss the exact marking and installed relationship with Apter Power.**
sales13@apterpower.com | +86 18030235313