ABB 3BHE027867R0101

Technical Identity & Engineering Reference

ABB 3BHE027867R0101 is a gate drive board for ABB power converter gate-drive assembly.

01 Exact product identity

ABB designation	GDD852A101
Order number	3BHE027867R0101
Product function	Gate drive board
Board treatment	Varnished
Equipment position	Inverter / CHBA GD
Application	ABB auxiliary converter
Replacement basis	Exact marking and connector layout

02 Evidence scope

The exact part number is identified as GDD852A101, a varnished gate-drive board for an ABB auxiliary-converter inverter/CHBA GD position; seller-published electrical ratings are excluded.

03 System relationship

3BHE027867R0101, designated GDD852A101, is a varnished gate-drive board used in an ABB auxiliary-converter inverter and CHBA gate-drive position. The exact equipment designation is essential for replacement.

The board belongs between converter control electronics and the fitted power-semiconductor stage. Gate, emitter, feedback and supply connections must stay mapped to the installed converter drawing.

Service work requires complete DC-link isolation and discharge before touching the board. Record connector labels, mounting points and coating condition, then verify the converter with the approved staged commissioning procedure.

04 Installation relationships

Installation relationship	3BHE027867R0101 belongs to the configured ABB power converter gate-drive assembly hardware chain; the complete installed relationship governs replacement.
Protection	Follow the approved isolation, ESD and system-specific commissioning procedure before handling 3BHE027867R0101.
Technical reference	Exact-order industrial and railway procurement records for ABB GDD852A101. The exact part number is identified as GDD852A101, a varnished gate-drive board for an ABB auxiliary-converter inverter/CHBA GD position; seller-published electrical ratings are excluded.

05 Application map

Installed-system service

Maintain the exact 3BHE027867R0101 identity when replacing the fitted gate drive board.

Configuration retention

Preserve application records, channel maps or hardware settings that belong to the installed system.

Controlled troubleshooting

Use the approved system diagnostics to separate module, wiring and companion-hardware faults.

Acceptance testing

Return the system to service only after representative functions match the recorded baseline.

06 Engineering boundaries

Exact-model rule	Use the complete 3BHE027867R0101 marking and every visible revision or assembly identifier.

System-data boundary	Treat control-family or host-system ratings as system context unless they are expressly assigned to 3BHE027867R0101.
Supply boundary	the 3BHE027867R0101 gate drive board; companion hardware and accessories only when itemized in the quotation
Acceptance evidence	Retain the as-found record, controlled test results and responsible sign-off.

07 Related product references

Recommended model	ABB BSFC-02C 3AXD50000011461
Recommended model	ABB CP-A RU 1SVR427071R0000
Recommended model	ABB GJR5143100R0001 35EK90
Recommended model	ABB GJR5146620R0001 35ZE94G
Recommended model	ABB NMFC03
Recommended model	ABB NXPP-02C

Confirm the complete 3BHE027867R0101 marking, installed relationship and required quantity with Apter Power.

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