

3BHE022294R0101 GFD233 A101

GFD233 A101 Assembly

ABB 3BHE022294R0101 GFD233 A101 is an exact-identity industrial assembly. It is used only in the installed ABB system position whose hardware and connection records match this complete designation.

IDENTITY	VERIFIED VALUE
Manufacturer	ABB
System family	installed ABB industrial control system
Part number	3BHE022294R0101 GFD233 A101
Product role	Uses the complete ABB manufacturer item number for replacement control
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Record the installed position, board revision, connectors, jumpers and cable identifiers before removing 3BHE022294R0101 GFD233 A101. Fit only an exact matching execution, restore the documented configuration and complete controlled diagnostics before release.

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GFD233 A101

Technical Specifications

Technical values below are limited to the named ABB product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Country of origin	Sweden	Manufacturer item number	3BHE022294R0101
HS code	8537101190	Type designation	GFD233 A101

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	installed ABB industrial control system
Primary system role	Uses the complete ABB manufacturer item number for replacement control
Connection boundary	Record the installed position, board revision, connectors, jumpers and cable identifiers before removing 3BHE022294R0101 GFD233 A101. Fit only an exact matching execution, restore the documented configuration and complete controlled diagnostics before release.
Controlled acceptance duty	Documented ABB cabinet restoration

ENGINEERING BOUNDARY

Confirm 3BHE022294R0101, GFD233 A101, the installed ABB host cabinet, hardware revision, connector and terminal assignments, jumpers, wiring, protective grounding, cooling, configuration and controlled diagnostic and functional-test results before commissioning.

Pre-Installation Checks

1	Confirm the complete 3BHE022294R0101 and GFD233 A101 marking before work.	2	Place the host machine and associated control circuits in the approved maintenance state.
3	Isolate power and prove stored energy discharged before opening the cabinet.	4	Use ESD controls and photograph every connector, jumper and mounting position.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	3BHE022294R0101 GFD233 A101
Installed host	installed ABB industrial control system
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

ABB 3BHE022294R0101 GFD233 A101 is an exact-identity industrial assembly. It is used only in the installed ABB system position whose hardware and connection records match this complete designation.

FUNCTION 1

Uses the complete ABB manufacturer item number for replacement control

FUNCTION 2

Retains the GFD233 A101 type designation as a separate identity

FUNCTION 3

Requires the installed connector and hardware execution to remain matched

FUNCTION 4

Supports a documented remove-and-recommission maintenance workflow

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	installed ABB industrial control system
2	8537101190
3	Documented ABB cabinet restoration
4	Record the installed position, board revision, connectors, jumpers and cable identifiers before removing 3BHE022294R0101 GFD233 A101. Fit only an exact matching execution, restore the documented configuration and complete controlled diagnostics before release.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	installed ABB industrial control system
Interface role	Uses the complete ABB manufacturer item number for replacement control
Field / power context	The assembly must remain matched to the recorded host cabinet, hardware execution, connector map and project configuration. Commissioning is limited to as-found comparison, controlled installation and verified diagnostic and functional results.
Commissioning evidence	Review diagnostics and complete a recorded functional test before production release.

Installation and Connection Checks

1

Record the installed hardware revision and all cable identifiers before removal.

2

Inspect mating connectors, grounding points, cooling path and fastening hardware.

3

Restore the documented cabinet configuration before controlled energization.

4

Review diagnostics and complete a recorded functional test before production release.

MANUFACTURER SOURCE RECORD

Applications and Engineering Context

Documented ABB cabinet restoration
Restores the exact assembly position recorded in an existing control cabinet.

Hardware-revision controlled replacement
Maintains the approved board execution when an installed assembly is exchanged.

Connector-map preservation
Supports work where every fitted cable and terminal position must be reproduced.

Controlled system recommissioning
Provides an exact article reference for diagnostics and functional acceptance after service.

TECHNICAL NOTE

Record the installed position, board revision, connectors, jumpers and cable identifiers before removing 3BHE022294R0101 GFD233 A101. Fit only an exact matching execution, restore the documented configuration and complete controlled diagnostics before release.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	3BHE022294R0101 GFD233 A101 recorded
Host / carrier	installed ABB industrial control system
Physical interface	Uses the complete ABB manufacturer item number for replacement control
Configuration	Restore the documented cabinet configuration before controlled energization.
Functional proof	Review diagnostics and complete a recorded functional test before production release.

IMPORTANT NOTICE

Confirm 3BHE022294R0101, GFD233 A101, the installed ABB host cabinet, hardware revision, connector and terminal assignments, jumpers, wiring, protective grounding, cooling, configuration and controlled diagnostic and functional-test results before commissioning.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	3BHE022294R0101 GFD233 A101
Approved role	Documented ABB cabinet restoration
Final validation	Review diagnostics and complete a recorded functional test before production release.

Engineering Precautions

- 1

Confirm the complete 3BHE022294R0101 and GFD233 A101 marking before work.
- 2

Place the host machine and associated control circuits in the approved maintenance state.
- 3

Isolate power and prove stored energy discharged before opening the cabinet.
- 4

Use ESD controls and photograph every connector, jumper and mounting position.
- 5

Record the installed hardware revision and all cable identifiers before removal.
- 6

Inspect mating connectors, grounding points, cooling path and fastening hardware.
- 7

Restore the documented cabinet configuration before controlled energization.
- 8

Review diagnostics and complete a recorded functional test before production release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
YPC111B	optical distribution board	View YPC111B page
3BHB003041R0101	drive control board	View 3BHB003041R0101 page
ZINT-592	inverter main circuit board	View ZINT-592 page
ZCU-14	3AXD50000182992 control unit	View ZCU-14 page
ZCU-14	3AXD50000005164 control unit	View ZCU-14 page
XVC772A102	3BHE032285R0102 control board	View XVC772A102 page
NBRA-657C	braking chopper	View NBRA-657C page
RMIO-11C	3AUA0000035408 control board	View RMIO-11C page

MANUFACTURER SOURCE RECORD

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