HIEE400947R1 UPB011 BE

Legacy Drive and Excitation Control Board

ABB HIEE400947R1 UPB011 BE Legacy Drive and Excitation Control Board with exact-model technical data, controlled replacement guidance and product-specific verification records.

HIEE400947R1 UPB011 BE configuration dashboard

Regulator-path control

The board belongs to a legacy drive or excitation control assembly and is not interchangeable with general-purpose I/O.

Complete-marking selection

HIEE400947R1, UPB011 BE and the physical connector layout are checked as one identity.

Controlled power-stage return

Diagnostics and commanded response are verified before the connected power section is released.

Exact order-code identity

Complete product reference	HIEE400947R1 UPB011 BE
Product type	Legacy Drive and Excitation Control Board
System platform	ABB legacy drive / excitation control hardware
ABB article number	HIEE400947R1
Board designation	UPB011 BE
Product class	Legacy control board
System context	Drive or excitation installed hardware
Installation format	Plug-in circuit board

HIEE400947R1 UPB011 BE identifies an ABB legacy drive and excitation control board. Electrical ratings and channel functions depend on the matched rack, regulator execution and application configuration.

Legacy Drive and Excitation Control Board technical capability map

Revision boundary	R1 article execution and BE board marking
Configuration boundary	Installed regulator and application records
Replacement basis	Article, designation, revision and rack
Replacement basis	Complete marking and installed-system evidence

Connector boundary	Backplane and front-board interfaces
Handling requirement	ESD-controlled board handling
Commissioning basis	Board diagnostics and controlled regulator test

Installed signal or connection path

Field signal > **Termination block** > **HIEE400947R1 UPB011 BE** > **LocalBus** > **Control strategy**

System interpretation boundary

Compatibility depends on the complete label, revision, rack/backplane and installed regulator application. Both board faces and all connector positions must be photographed.

After ESD-controlled exchange, verify board supply, diagnostics and interlocks before enabling the connected power stage. Complete only the approved controlled functional test.

Application fit decisions for HIEE400947R1 UPB011 BE

Legacy regulator maintenance

Restore the exact board within its documented drive or excitation rack.

Control-board fault isolation

Compare supply, backplane, companion boards and diagnostics.

Revision-controlled spare planning

Match HIEE article, UPB designation and connector pattern.

Power-stage commissioning

Verify interlocks and controlled response before service release.

Engineering decision matrix

How should the regulator rack be matched to HIEE400947R1 UPB011 BE?	Compare HIEE400947R1, UPB011 BE, the R1 revision, slot, backplane connector and adjacent boards.

Which application records must be protected before replacing HIEE400947R1 UPB011 BE?	Back up regulator parameters, limits, interlocks, firing or control settings and the active application version.
How should the connected power stage be isolated for HIEE400947R1 UPB011 BE?	Apply the approved lockout and prove the power stage safe before disturbing the control board or its connectors.
What connector information should be captured for HIEE400947R1 UPB011 BE?	Photograph both board faces and label every backplane and front-board interface before removal.

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

HIEE400947R1 UPB011 BE service controls and maintenance logic

Lock out the power stage

Prove the connected drive or excitation hardware safe.

Back up regulator settings

Retain parameters, limits, interlocks and application version.

Photograph every interface

Capture board faces, slot, backplane and front connectors.

Record companion boards

Identify supply, measurement, firing and interface hardware.

Apply control power first

Verify supplies, diagnostics and permissives before power-stage enable.

Run a controlled response test

Prove regulator command and interlock behavior under the approved procedure.

Additional technical questions

Which companion boards affect compatibility of HIEE400947R1 UPB011 BE?	Record supply, measurement, firing and interface boards in the installed rack and compare their revisions with the approved arrangement.
How can a diagnostic fault after installing HIEE400947R1 UPB011 BE be isolated?	Verify board supplies, seating, interlocks, parameter restoration and companion-board diagnostics before enabling the power stage.
What controlled energization sequence applies to HIEE400947R1 UPB011 BE?	Start with control power and diagnostics, prove permissives and interlocks, then enable the connected power section under the site procedure.
What proves acceptance of HIEE400947R1 UPB011 BE?	Require stable diagnostics, correct commanded regulator response, interlock operation and an approved controlled functional test.

Technical notes

Exact identity	HIEE400947R1 UPB011 BE
Documented function	Legacy Drive and Excitation Control Board
Technical evidence	ABB installed-board identity and legacy drive/excitation service records
Verification boundary	Confirm the complete marking and installed ABB legacy drive / excitation control hardware arrangement before selection

HIEE400947R1 UPB011 BE source record and supported references

Manufacturer reference	ABB installed-board identity and legacy drive/excitation service records
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

Recommended product	ABB DSQC406 3HAC035301-001
Recommended product	ABB DSQC604 3HAC12928-1
Recommended product	ABB DSQC608 3HAC12934-1
Recommended product	ABB DSQC611 3HAC13389-2
Recommended product	ABB DSQC652 3HAC025917-001

Discuss the exact marking and installed relationship with Apter Power.
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