

ABB UNC4672A-V1 HIEE205012R0001 Signal Verification

UNC4672A-V1 UNITROL P Measurement-Path Verification Guide

ABB UNC 4672A,V1 UNITROL P Analog Measuring Interface

DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited ABB manufacturer sources. No product photograph is included.

Product / lookup identity	ABB UNC4672A-V1 HIEE205012R0001 Signal Verification
Reference number	HIEE205012R0001
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/hiee205012r0001>

Apter Power contact

sales13@apterpower.com | +86 180 3023 5313

UNITROL P analogue source, paired measuring interface, processing, and excitation path

ABB UNC 4672A,V1, product ID HIEE205012R0001, is an analog measuring card; ABB's UNITROL P spare-parts flyer identifies the same product ID as the UNC 4672a-P,V1 measuring interface. Its verified system function is to serve as a measuring-interface component inside an ABB UNITROL P excitation-system unit.

01	Verified Role: Analog measuring card / measuring interface in UNITROL P.
02	Measured Signals: unknown; the official sources do not publish the analog quantities, channel count or electrical ranges.
03	Processing: Signal-conditioning, conversion, scaling and isolation details are unknown from the cited public sources.
04	Outputs: Interface outputs, backplane representation and connector pinout are unknown.
05	System Context: ABB lists two HIEE205012R0001 measuring interfaces in one UNITROL P unit, together with processing, gate-control, I/O, converter, firing and power-supply components.

Verified UNITROL P identity with unpublished channel/range and HIEE205012R1 alias HOLD

01	Verification Status: VERIFIED_EXACT_PRODUCT_ID_AND_MODEL_FROM_ABB_PRODUCT_PAGE_AND_UNITROL_P_SPARE_PARTS_FLYER; USER_ALIAS_HIEE205012R1_UNVERIFIED
02	Exact Mapping: ABB's official product page maps HIEE205012R0001 to UNC 4672A,V1 Analog Measuring Card. ABB's UNITROL P spare-parts flyer lists Measuring Interface UNC 4672a-P,V1 with the same HIEE205012R0001 and two pieces used in one UNITROL P unit. No official source found equates shortened HIEE205012R1 with HIEE205012R0001.
03	Lifecycle Status: unknown; ABB provides a product record and an official spare-parts listing but no explicit lifecycle phase

Canonical ID, board revision/position, paired card, connector map, scaling, calibration, and tests

01	Confirm HIEE205012R0001, full UNC 4672A/V1 or UNC 4672a-P/V1 marking, hardware revision and board position from the physical label and UNITROL P BOM.
02	Do not treat HIEE205012R1 as a verified ABB alias unless the nameplate or ABB document explicitly maps it to R0001.
03	Apply the power plant's excitation-system lockout, isolate all control and power supplies, and verify stored energy is discharged before opening the cabinet.
04	Observe ESD controls and handle the board only by approved edges/fixtures; protect connectors and components from contamination and mechanical stress.
05	Record connector IDs, cable destinations, jumpers, board positions and paired interface revisions before removal.
06	Use only the exact UNITROL P wiring and hardware manual for analog quantities, ranges, polarity, shields, grounding, isolation and calibration.

Identity and release controls

Verification Status	VERIFIED_EXACT_PRODUCT_ID_AND_MODEL_FROM_ABB_PRODUCT_PAGE_AND_UNITROL_P_SPARE_PARTS_FLYER; USER_ALIAS_HIEE205012R1_UNVERIFIED
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Official ABB sources

HIEE205012R0001 product details	https://new.abb.com/products/HIEE205012R0001/hiee205012r0001
UNITROL P spare parts flyer - Service note 3BHS681831	https://library.e.abb.com/public/d5d94dcca8041c9b14b56b1486753c8/UNITROL%20P%20spare%20parts%20flyer.pdf
UNITROL excitation systems	https://new.abb.com/power-electronics/es/unitrol-sistemas-de-excitacion