

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB CI860K01 3BSE032444R1 Interface Kit

CI860K01 HSE Interface Installation and Data-Mapping Guide

ABB CI860K01 FOUNDATION Fieldbus HSE Interface Kit

DOCUMENT SCOPE

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

Product / lookup identity	ABB CI860K01 3BSE032444R1 Interface Kit
Reference number	3BSE032444R1
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/ci860-ci860k01>

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AC 800M CEX-Bus, CI860 HSE exchange, linking device, HI, and IEC 61131 data path

ABB CI860K01, article number 3BSE032444R1, is the FOUNDATION Fieldbus HSE communication-interface kit for AC 800M; the kit contains the CI860 communication module and the 60 mm TP860 baseplate. The CI860 establishes connectivity between an AC 800M controller and a FOUNDATION Fieldbus High Speed Ethernet subnet, allowing FOUNDATION Fieldbus process data on HSE to be accessed by IEC 61131 applications in the controller.

01	Controller Side: The CI860 is powered by the AC 800M processor through the CEX-Bus and transfers mapped data to and from IEC 61131 applications.
02	Network Side: One 10/100 Mbit/s FOUNDATION Fieldbus HSE connection through an RJ-45 female 8-pin connector.
03	Mapping: Maps FOUNDATION Fieldbus process-variable value and status parts into the controller application and maps application data in the reverse direction.
04	Topology: Up to 12 CI860 modules can be placed on one AC 800M, including redundant arrangements; each can connect to the same or a separate HSE subnet.
05	HI Extension: ABB LD800HSE/LD800HSE EX acts as the gateway between HSE and up to four separate FOUNDATION Fieldbus HI links.

CI860 plus TP860 kit boundary, FF HSE scope, and no-HI-controller restriction

01	Verification Status: EXACT_KIT_AND_ARTICLE_NUMBER_VERIFIED; MODULE_VS_KIT_BOUNDARY_REQUIRED
02	Exact Mapping: ABB's current System 800xA catalog maps article number 3BSE032444R1 to CI860K01 FF HSE Interface. The package includes the CI860 communication-interface module and TP860 baseplate, width 60 mm. CI860 is the module/function name; CI860K01 is the orderable kit. Do not describe the article number as a bare CI860 module unless the physical delivery is verified.
03	Lifecycle Status: ABB's current detailed CI860 hardware-selector page and current System 800xA catalog do not print a named lifecycle phase for CI860. The word Classic shown elsewhere in the communication-family comparison applies to CI862, not CI860. Do not label CI860 Classic by column leakage.



Kit contents, CEX capacity, HSE addressing, redundancy, hot swap, quality, and security checks

01	Verify that article 3BSE032444R1 is delivered as CI860K01 with both CI860 and TP860; do not assume a loose module is a complete kit.
02	Confirm the AC 800M processor, CEX-Bus capacity, System 800xA/Control Builder version, and CI860 firmware/support matrix before installation.
03	Do not use CI860 with an HI controller; ABB's current selector explicitly marks this combination No.
04	Engineer module redundancy deliberately and do not describe it as line redundancy; ABB lists line redundancy No.
05	Keep the total number of CI860 modules on one CEX-Bus within the documented maximum of 12, including redundant modules.
06	Treat hot swap as a supported system operation, not permission for uncontrolled removal. Follow the exact AC 800M hardware, redundancy, and plant change procedure.

Identity and release controls

Verification Status	EXACT_KIT_AND_ARTICLE_NUMBER_VERIFIED; MODULE_VS_KIT_BOUNDARY_REQUIRED
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Official ABB sources

ABB CI860 hardware-selector product page	https://800xahardwareselector.automation.abb.com/product/ci860
ABB CI860 current data sheet	https://800xahardwareselector.automation.abb.com/pdf/download/d0ddcbdd-9d34-40ad-87f9-d9e0e0413695
ABB Ability System 800xA 7.0 product catalog	https://library.e.abb.com/public/318960eb1339438b881a3e50ce5f3572/7PAA015938%20en%20F%20System%20800xA%207.0%20with%20xP0%20Product%20Catalog.pdf
ABB AC 800M communication-interface comparison	https://800xahardwareselector.automation.abb.com/outline/get/3e065396-703f-496b-bad0-851a0d84d182