

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB CI860K01 3BSE032444R1 Interface Kit

Product Reference

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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Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

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. System context: ABB CI860K01 FOUNDATION Fieldbus HSE Interface Kit.

Published field	Manufacturer-published value or verified identity note
Article number	3BSE032444R1
Orderable package	CI860K01
Package contents	CI860 communication interface plus TP860 baseplate, width 60 mm
Communication protocol	FOUNDATION Fieldbus HSE
Role	Master/Slave
Transmission speed	10/100 Mbit/s
Network connector	RJ-45 female, 8-pin

System function and signal path

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.

Applications, answers, and official sources

1 AC 800M access to HSE variables: Makes FOUNDATION Fieldbus HSE process values and statuses available to IEC 61131 controller applications.

2 Redundant HSE communication: Supports a documented redundant CI860 module arrangement while preserving the boundary that line redundancy itself is not provided.

3 Multiple HSE subnet integration: Allows up to 12 CI860 modules on one AC 800M, with modules connected to the same or separate HSE subnets as engineered.

4 HSE-to-HI field-device integration: Works with ABB LD800HSE/LD800HSE EX linking devices to expose data from as many as four HI links per linking device to the HSE/controller architecture.

Frequently asked questions

What is ABB CI860K01 3BSE032444R1?	It is the orderable AC 800M FOUNDATION Fieldbus HSE interface kit containing a CI860 communication module and TP860 baseplate.
Is CI860 the same as CI860K01?	No. CI860 names the communication module/function; CI860K01 is the kit that includes CI860 plus TP860.
What does TP860 do in the package?	TP860 is the 60 mm baseplate included with the CI860 module in the CI860K01 orderable package.
What protocol does CI860 use?	FOUNDATION Fieldbus High Speed Ethernet at 10/100 Mbit/s.
What data does it process?	It maps FOUNDATION Fieldbus process-variable values and statuses to and from AC 800M IEC 61131 applications.
How is the module powered?	It is powered by the processor through the CEX-Bus and typically consumes 100 mA at 24 V, so no separate external module supply is required.

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