CI867K01 3BSE043660R1

AC 800M Modbus TCP Interface Package

PUBLISHED IDENTITY

ABB CI867K01 3BSE043660R1 is an AC 800M Modbus TCP interface package containing the two-channel CI867 communication interface and TP867 baseplate. It connects an AC 800M controller to external Ethernet devices through Modbus TCP.

Technical snapshot

Product family	AC 800M communication interfaces
Package designation	CI867K01
ABB article number	3BSE043660R1
Package contents	CI867 communication interface and TP867 baseplate
Interface channels	2
Protocol	Modbus TCP
Channel 1	10/100Base-TX over RJ45
Channel 2	10Base-T over RJ45

Verified related ApterPower product pages

ABB DI811 3BSE008552R1

ABB TU831V1 3BSE013235R1

Engineering data

Official evidence organized for exact-model review

Product family	AC 800M communication interfaces
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ABB article number	3BSE043660R1
Package contents	CI867 communication interface and TP867 baseplate
Interface channels	2
Protocol	Modbus TCP
Channel 1	10/100Base-TX over RJ45
Channel 2	10Base-T over RJ45

Controller connection	CEX-Bus
Current consumption	160 mA typical; 250 mA maximum from CEX-Bus 24 V DC
Power dissipation	3.8 W typical
Protection rating	IP20
Redundant configuration	Supported
Hot swap	Supported
Recommended process cable	Category 5 shielded twisted-pair cable or better
Published cable distance	30 m maximum from CI867 to the next Ethernet device

EVIDENCE BOUNDARY

Confirm the complete CI867K01 3BSE043660R1 identity, TP867 baseplate, controller version and recorded network configuration before replacement or commissioning.

Applications and system role

Four distinct documented operating contexts

MODBUS TCP DEVICE INTEGRATION

Connects an AC 800M controller with approved Ethernet devices that exchange Modbus TCP data.

DUAL-CHANNEL NETWORK ARCHITECTURE

Provides separate documented Channel 1 and Channel 2 Ethernet connections through the TP867 baseplate.

REDUNDANT CONTROLLER COMMUNICATIONS

Supports an engineered redundant CI867 arrangement after roles and configuration are restored.

INSTALLED-BASE INTERFACE REPLACEMENT

Reinstates the recorded CEX-Bus module position and network assignments during controlled maintenance.

Integration control

The package combines the CI867 communication unit with the keyed TP867 baseplate and its two RJ45 connections. Power is supplied from the controller through the CEX-Bus, while status and traffic indicators support commissioning and diagnostics. Before exchange, record both channel assignments, switch connections, IP settings, redundancy role and the controller hardware configuration; after installation, verify Modbus TCP traffic and every affected data path.

Verified related ApterPower product pages

ABB DSBC174 3BSE012211R1

ABB SR511 3BSE000863R1

Technical questions

Complete model-specific answers from the approved evidence set

What does ABB CI867K01 3BSE043660R1 contain?

ABB CI867K01 3BSE043660R1 contains the two-channel CI867 Modbus TCP communication interface and the TP867 baseplate.

How does CI867K01 3BSE043660R1 connect to the AC 800M controller?

The CI867 interface receives power and controller communication through the AC 800M CEX-Bus.

Which Ethernet speeds are available on ABB CI867K01 3BSE043660R1?

Channel 1 supports 10 or 100 Mbit/s operation, while Channel 2 supports 10 Mbit/s operation.

Can ABB CI867K01 3BSE043660R1 operate in a redundant configuration?

ABB documents redundant configuration support for the CI867 interface when the approved controller architecture is used.

Does CI867K01 3BSE043660R1 support hot swapping?

The published CI867 technical specification identifies hot swapping as supported.

Which current and power values apply to ABB CI867K01 3BSE043660R1?

The interface typically consumes 160 mA from the 24 V CEX-Bus supply, with a stated maximum of 250 mA and typical dissipation of 3.8 W.

What cable condition should be checked for CI867K01 3BSE043660R1?

Technicians should verify Category 5 shielded twisted-pair cabling or better and keep the documented link to the next Ethernet device within 30 m.

Which tests complete commissioning of ABB CI867K01 3BSE043660R1?

Commissioning is complete after both channel links, status indicators, redundancy role and every configured Modbus TCP data exchange pass the approved checks.

Product precautions

Eight aligned controls before return to service

1. Record the complete ABB CI867K01 3BSE043660R1 identity and CEX-Bus position.
2. Place the controller, process and connected Ethernet equipment in the approved maintenance state.
3. Back up the AC 800M hardware configuration, IP settings and Modbus TCP assignments.
4. Label both RJ45 links and record their switch ports, channel roles and redundancy state.
5. Verify that the keyed TP867 baseplate and CI867 interface match the documented installation.
6. Inspect CEX-Bus contacts, cable shielding and connector latches before seating the package.
7. Review status, traffic and redundancy indicators after the controller recognizes the interface.
8. Prove every configured Modbus TCP exchange and record the acceptance results before release.

Verified related ApterPower product pages

- ABB 07DI92
- ABB 07KT92 GJR5250500R0902
- ABB 07KR91 GJR5250000R0101
- ABB 07KP90 GJR5251000R0202

Evidence and support

Manufacturer references, related products and direct contact

Manufacturer evidence used

- ABB AC 800M Controller Hardware Product Guide, document 3BSE036352-510 A, CI867 hardware and technical-data sections.
- ABB System 800xA product catalog, CI867K01 package and article-number entry.
- ABB My Control System user manual, CI867K01 lifecycle and replacement-status entry.

Verified related ApterPower product pages

ABB SPAJ140C

ABB SPAM150C

ABB CMA130 3DDE300410

ABB PM864AK01 3BSE018161R1

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