ABB TC513 3BSE006385R1

COMPLETE PRODUCT INFORMATION / PUBLISHED-PAGE DOSSIER

ABB TC513 3BSE006385R1 is a af100 twisted-pair/coax converter modem identified for the ABB Advant Fieldbus 100 communication system. The complete order code, hardware execution and installed configuration must be matched together before replacement.

Product dashboard

Complete identity TC513 3BSE006385R1	**Product type** AF100 Twisted-Pair/Coax Converter Modem
Condition New, original product	**System context** ABB Advant Fieldbus 100 communication system

Public summary

Manufacturer part number	TC513 3BSE006385R1
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	4.4cm × 15cm × 17.6cm
Country of Origin	Sweden
Weight	0.7 kg

Technical capability map

Complete order code	TC513 3BSE006385R1
Equipment role	AF100 Twisted-Pair/Coax Converter Modem
System context	ABB Advant Fieldbus 100 communication system
Article number	3BSE006385R1
Module designation	TC513
Network role	AF100 twisted-pair/coax conversion
Bus media	Twisted-pair and coaxial cable
Power interface	24 V DC at X2

X1 and X2 connectors	2-pole jack screw-connectors
X3 connector	4-pole jack screw-connector
X4 coax connector	DIN 9-pole connector
Replacement boundary	Verify cable media, connectors and network position before substitution

Overview

The complete TC513 3BSE006385R1 marking identifies the offered af100 twisted-pair/coax converter modem. Record the removed assembly label, its host position and the connected hardware before work starts so that the supplied item is compared with the actual installed boundary rather than with a shortened family name.

Within the ABB Advant Fieldbus 100 communication system, this item must be evaluated together with its carrier, terminals, cables and project configuration. Preserve the as-found interface map and revision information; a mechanically similar item is not automatically an electrical or software equivalent.

Commissioning should progress from identity and connection checks to controlled power-up, diagnostics and a functional proof. Keep the final status, test conditions and remaining exceptions in the maintenance record so later troubleshooting has an accurate baseline.

Applications / Compatibility

System position: TC513 3BSE006385R1 is evaluated within the documented ABB Advant Fieldbus 100 communication system architecture. Compatibility boundary: Match the complete marking, hardware execution and installed interfaces before replacement.

Installed-system replacement

Compare the exact order code, host position and connected interfaces with the removed item.

Planned maintenance

Capture the as-found label, status and configuration before disturbing the installation.

Controlled commissioning

Restore documented connections and prove the intended signal, communication or control response.

Spare qualification

Keep revision, configuration and acceptance evidence with the spare-part record.

Product Precautions

Verify the complete identity

Check every token in TC513 3BSE006385R1 against the offered label and approved record.

Isolate the work boundary

Follow the site procedure for stored energy, field power and electrostatic handling.

Record connections

Photograph and label the carrier, terminals, cables and keying before removal.

Preserve configuration

Archive the applicable ABB Advant Fieldbus 100 communication system project or hardware settings before replacement.

Inspect mating hardware

Check connectors, terminal blocks, carriers and cable condition before blaming the module.

Prove the result

Use an approved functional test and retain the as-left diagnostic and acceptance evidence.

Engineering decisions

How should TC513 3BSE006385R1 be identified before a replacement is approved?	Compare every token in the complete marking, the installed position and the documented af100 twisted-pair/coax converter modem role. Confirm the TC513 3BSE006385R1 marking and the installed ABB Advant Fieldbus 100 communication system position.
What installed-system evidence should be retained before removing TC513 3BSE006385R1?	Record the slot or mounting position, connected interfaces, status indications and the current ABB Advant Fieldbus 100 communication system configuration. Photograph the complete label before disconnecting anything.
How should the interfaces for TC513 3BSE006385R1 be checked during installation?	Map each connected interface to the as-found record and the applicable manufacturer documentation. Keep connector, keying and terminal assignments consistent with the as-found record.
What configuration boundary matters when commissioning TC513 3BSE006385R1?	Use the approved ABB Advant Fieldbus 100 communication system project and the exact hardware or assembly revision. Do not treat physical fit as proof that the stored configuration and interface assignment are correct.
How can a suspected TC513 3BSE006385R1 fault be separated from field wiring or carrier faults?	Check supply and reference conditions first, then inspect the carrier, connectors and external wiring. Move to a controlled substitution only after the upstream and downstream paths have been documented.
What should be verified after fitting TC513 3BSE006385R1 to the installed system?	Confirm normal status indications, communication or signal continuity and the intended control response under an approved test state. Record the as-left state and compare it with the approved acceptance baseline.
Can TC513 3BSE006385R1 be replaced by a similar-looking assembly?	No direct equivalence is established by appearance. Compare the complete order code, revision, interface execution and system configuration before approving an alternative.
What handover record is appropriate after work on TC513 3BSE006385R1?	Retain the offered and removed markings, connection photographs, configuration record, diagnostic observations, functional test result and any unresolved exception.

Lifecycle Status

TC513 3BSE006385R1 status	A current lifecycle phase for this complete order code has not been confirmed.
Support and replacement	Match the complete identity, hardware execution and installed configuration when planning service.
Apter Power availability	The offered quantity and dispatch date are confirmed in the quotation.

Available Unit Details

Offered reference	ABB TC513 3BSE006385R1. Condition: New, original product.
Identity check	Verify TC513 3BSE006385R1 against the installed marking, revision and interface execution.
Included items	Confirm the assembly, terminal hardware, cables and accessories in the quotation.

Alternative Names

ABB TC513 3BSE006385R1 | ABB TC-513 AF100 converter modem

Ordering checks

Match the complete marking	Compare TC513 3BSE006385R1 with the installed label and the applicable ABB documentation.
Check the offered item before ordering	Request photos of the offered TC513 3BSE006385R1. Have the maintenance team compare the marking, interfaces and included items with the installed unit and applicable ABB documentation.

Technical notes

Evidence scope	The ABB manual identifies the TC513 media-conversion role, 24 V interface and connector arrangement; the complete article number identifies the offered modem.
Installation boundary	The exact installed carrier, terminals, cables and project configuration remain site-specific.
Technical reference	ABB Advant Fieldbus 100 User Manual 3BSE000506-600 and complete TC513 3BSE006385R1 marking

What happens after you enquire

Review your reference	Send the complete TC513 3BSE006385R1 marking, quantity and installed-system context.
Confirm the offer	Review the offered identity, condition, included items and delivery details.
Arrange dispatch	Confirm the accepted quantity and destination in the quotation.

Downloads

Technical reference, installation and commissioning guide, and this complete product information dossier.

Discuss the complete marking with Apter Power
sales13@apterpower.com | +86 18030235313

Related product references

Catalogue navigation only; these references are not identified as substitutes or compatibility claims.

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