

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8311C

Conformal-coated TMR expander interface module

ROLE	LOCATION	FEEDS	OPTION
Expander interface	Controller side	Dual nominal 24 V	Conformal coated

For qualified personnel only. This installation summary is not a substitute for the controlled manufacturer procedure, system safety plan or approved site isolation requirements.

01

BEFORE INSTALLATION

Exact unit identity	Record T8311C, hardware revision and serial number; check applicable product notices.
Installed position	Use the approved controller-chassis I/O pair, not an expander-processor slot.
Cables and adapter	Verify T8312, the local TC-301 path or documented remote fibre connection.
Condition and handling	Apply ESD controls; do not fit damaged hardware or straighten bent pins.
Engineering limits	Resolve revision-specific limits where the legacy manual contains conflicting entries.

02

PREPARATION AND BOUNDARIES

- Use the current configuration guidance for the controller-side pair. Verify cable polarization against the documented 1, 2 and 6 key positions.
- Complete cable-assembly replacement requires shutdown and unoccupied associated slots. Do not treat it as an online module swap.

03
INSTALLATION AND COMMISSIONING

01	Before any exchange, check the complete product notice and confirm the unit identity and applicable correction status.
02	Verify the approved controller I/O slot pair, adapter and expansion cabling; resolve documentation conflicts before installation.
03	Inspect the housing and pins, seat the cable, open both ejectors and guide the module carefully into the designated position.
04	Seat the upper and lower fascia and lock both ejectors. Stop if insertion resists or hardware appears damaged.
05	Verify all slice-health indications and actual transfer state under the controlled procedure; latch release alone is not proof of transfer.
06	Never remove an interface while Active remains indicated. Escalate uncertain behavior to manufacturer support without improvising a workaround.

04
SAFETY AND FINAL CHECKS

- Verify connected chassis communication and interface status against the physical and configured topology.
- This summary neither establishes notice applicability for a supplied unit nor replaces controlled manufacturer safety instructions.

05
OFFICIAL PROCEDURE

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Role and supply: pp. 1, 9; installation: pp. 10-13; configuration: pp. 14-15; indicators: pp. 20-23. See the linked product notice.

Supplement: Rockwell Product Notice 2019-10-001

Independent Amikon summary, not a manufacturer-issued manual. Use the complete current manufacturer instructions and approved system safety procedure. No original manual pages are reproduced.

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

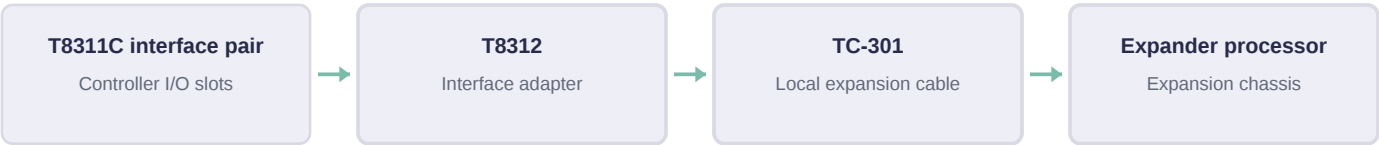
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06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8311C | Installation supplement

Original Amikon illustrations based on the cited manufacturer pages. Not to scale; not a manufacturer drawing or an approved installation / wiring plan.

A | INSTALLATION AND CONNECTION CONTEXT



Local expansion path only. The left interface occupies an odd-numbered controller I/O slot; verify the adjacent pair. The remote fibre route is not drawn.

OEM context: [PD-T8311 - PDF page 10](#)

B | MECHANICAL KEYING INDEX

Number index only - NOT the physical connector orientation.



HIGHLIGHTED KEY PIECES: 1, 2, 6

The OEM instruction identifies these mechanical key pieces for removal. Match the real cable to the original figure before work; these are NOT electrical signal pins.

This is a mechanical-key index, not a chassis pinout. Check the applicable product notice and confirm the actual module, adapter and cable configuration.

07 ORIGINAL MANUFACTURER FIGURE LINKS

[Figure 2 Module Polarisation - PDF page 13](#)

[Connector reference table - PDF page 18 \(not reproduced\)](#)

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[C suffix: conformal-coating option - ICSTT-CT004L, PDF page 2](#)

Family drawing used for the coated option; confirm the actual supplied revision.

Links include PDF page targets. If your viewer opens the cover, enter the stated page number. Retain the full manufacturer safety instructions and approved project documents.