

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8403

TMR 24 V DC digital input module

CHANNELS	SIGNALS	SUPPLY	SOE
40 TMR inputs	24 V DC digital	20-32 V DC	1 ms resolution

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

Identity and condition	Verify T8403, revision and serial number; reject damage or bent pins.
Static handling	Use ESD precautions. Do not touch exposed pins or remove the housing.
Chassis position	Use the documented T8100 or T8300 I/O module slot.
Cable and termination	Select the documented FTA/VFTA and Companion Slot or SmartSlot cable.
Maintenance state	Verify the approved isolation plan and active/standby arrangement.

02

PREPARATION AND BOUNDARIES

- Match cable polarization to the original T8403 drawing: remove keying pieces 1, 3 and 5. Both strips require polarization on Companion Slot cables.
- Select field monitoring components and barriers from the controlled design. The mechanical keying index is not an electrical wiring or terminal map.

03
INSTALLATION AND COMMISSIONING

01	Confirm the field cable is correctly located. Open both module ejectors with the release key before insertion.
02	Guide the module into the intended I/O slot. Seat it by pressing the upper and lower fascia; lock both ejectors.
03	If the module resists insertion, withdraw and inspect it. Do not force it, straighten bent pins or install damaged hardware.
04	Verify chassis/slot assignment, input variables, per-channel thresholds and field-switch monitoring components in the engineering tools.
05	Check channel and module indicators, reported states and field wiring under the approved commissioning procedure.
06	For online replacement, follow the controlled changeover procedure. Verify the original is in Standby; never remove an Active module.

04
SAFETY AND FINAL CHECKS

- Separate field-wiring faults from module faults using the documented channel and health diagnostics.
- Validate the complete safety function and required external barriers. A successful module self-test is not complete system validation.

05
OFFICIAL PROCEDURE

ICSTT-RM271Q-EN-P | August 2021 | PD-T8403 Issue 19

Installation and keying: pp. 19-21; configuration: p. 23; operation/maintenance: pp. 31-38; specifications: p. 39.

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

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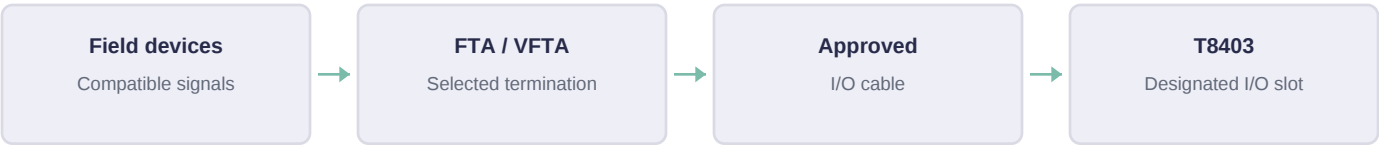
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06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8403 | 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

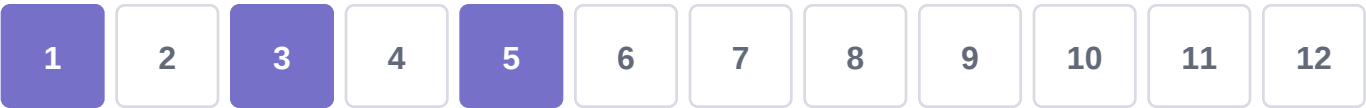


Logical signal path only. Select the documented cable, termination and field-device arrangement; these lines do not assign electrical terminals.

OEM installation context - PDF page 19

B | MECHANICAL KEYING INDEX

Number index only - NOT the physical connector orientation.



HIGHLIGHTED KEY PIECES: 1, 3, 5

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

For Companion Slot cables, verify both keying strips. Do not infer connector orientation or field-wiring connections from this index.

07 ORIGINAL MANUFACTURER FIGURE LINKS

Figure 3: Module Polarization - PDF page 21

Connector reference table - PDF page 20 (not reproduced)

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Confirm the actual supplied hardware revision and the controlled cable / termination documents before installation.

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