

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8403C

Trusted digital input module

CHANNELS	TYPE	THRESHOLDS	EVENTS
40 TMR inputs	Digital input	Configurable	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 notice	Check T8403C hardware series, date code and Product Notice 2025-08-002 before use; confirm current manufacturer firmware guidance.
Location and connections	Match the designated Trusted I/O slot with the documented cable and field termination assembly; do not install in a processor position.
Supply and load	Check the 20-32 V DC backplane and -6 to +36 V DC measurement range. Intrinsic-safety circuits require appropriate external barriers.
Condition and ESD	Use ESD precautions. Reject damage or bent pins; do not open the module housing.
Configuration	Verify channel assignments, state thresholds, line-monitoring components and the approved Companion Slot or SmartSlot configuration.

02

PREPARATION AND BOUNDARIES

- Use the complete manufacturer connection tables and the approved engineering drawings; this summary is not a pinout.
- Retain the qualified-personnel maintenance plan. Do not remove a module that still indicates ACTIVE.

03
INSTALLATION AND COMMISSIONING

01	Confirm exact identity, the intended slot and the approved isolation or changeover procedure before work.
02	Check that the correct cable assembly is seated. Open both module ejector tabs using the release key.
03	Guide the module into its designated position. Press the upper and lower fascia to seat it and lock both ejectors.
04	If resistance is abnormal, withdraw and inspect. Never force the module or straighten damaged connector pins.
05	Verify channel assignments, state thresholds, line-monitoring components and the approved Companion Slot or SmartSlot configuration.
06	Check module health and the intended operating state. Complete the approved commissioning checks before release.

04
SAFETY AND FINAL CHECKS

- Confirm the replacement and configured standby are suitable before any online changeover; the feature is not blanket permission for live work.
- A slice fault can leave a module degraded. Consult Product Notice 2025-08-002 and current manufacturer guidance; do not remove an ACTIVE module or assume that a photographed unit has been corrected.

05
OFFICIAL PROCEDURE

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

PDF p. 9: overview; pp. 19-21: installation; p. 39: specifications.

Product Notice 2025-08-002 - Series C identification and firmware guidance

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

AMIKON PRODUCT SUPPORT

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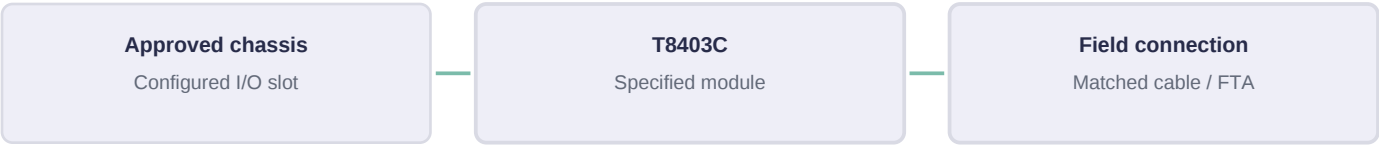
AMIKONG.COM

06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8403C | Documented installation context

Original Amikon illustration based on the linked OEM pages. Logical arrangement only; not to scale and not an electrical wiring or manufacturer installation drawing.

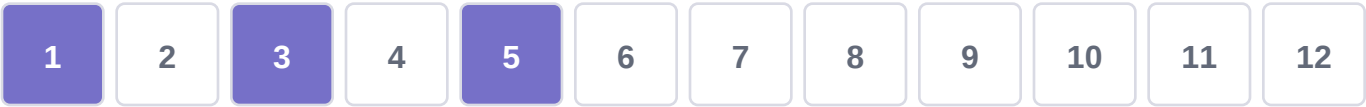
A | EQUIPMENT ARRANGEMENT



Match the designated Trusted I/O slot with the documented cable and field termination assembly; do not install in a processor position.

Verify channel assignments, state thresholds, line-monitoring components and the approved Companion Slot or SmartSlot configuration.

B | MECHANICAL KEY INDEX - NOT AN ELECTRICAL PINOUT



Highlighted mechanical key references: 1, 3, 5. This numbered index does not show connector orientation. Consult the linked manufacturer drawing before fitting.

07 ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Module polarization figure - PDF page 21](#)

[Installation procedure - PDF page 19](#)

[Electrical specification table - PDF page 39](#)

If the viewer ignores the page target, enter the stated PDF page manually. Retain the full manufacturer warnings and approved maintenance plan; this reference does not authorize live work.