

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8423

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

Exact identity	Record T8423, the actual hardware revision, serial number and applicable firmware.
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	Distinguish the 35-140 V DC field supply rating from the +/-120 V DC measurement range. Backplane power is 20-32 V DC.
Module condition	Reject housing damage or bent connectors. Use ESD precautions and do not remove 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.
- Use the manufacturer fault tables and site safety procedure. Do not bypass trips, force outputs or infer a safe state from one indicator.

05
OFFICIAL PROCEDURE

ICSTT-RM272 | PD-T8423 Issue 16

PDF p. 1: overview; pp. 20-23: installation; pp. 43-44: specifications.

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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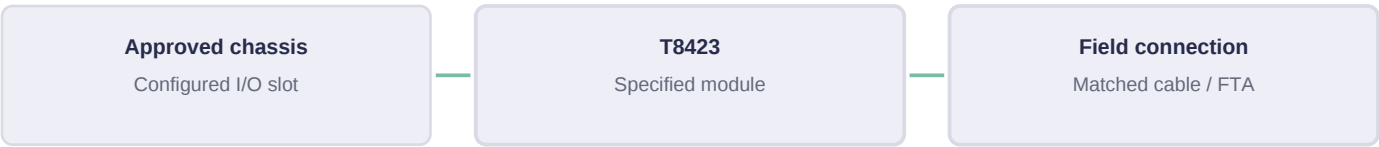
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06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8423 | 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, 6. 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 23](#)

[Installation procedure - PDF page 20](#)

[Electrical specification table - PDF page 43](#)

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.