

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8403C

Trusted digital input module



CHANNELS	TYPE	THRESHOLDS	EVENTS
40 TMR inputs	Digital input	Configurable	1 ms resolution

ICS Triplex T8403C is a conformed-coated Trusted digital input module with 40 triplicated channels. It measures field input voltages and compares them with configurable thresholds to report input states, while onboard diagnostics monitor the redundant signal paths.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8403C
Backplane supply	20 to 32 V DC; 20 W
Input channels	40 triplicated digital inputs
Input impedance	5 kilohm
Input measurement range	-6 to +36 V DC
Maximum input withstand	+/-50 V DC
Safety accuracy	0.5 V DC
Input thresholds	Configurable per channel

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02 TECHNICAL DATA

Maximum power dissipation	29 W
Intrinsic safety	Not integral; suitable external barrier required
Channel-to-channel isolation	None
Sequence of events	1 ms resolution; +/-10 ms timestamp accuracy
Permitted module location	T8100 or T8300 I/O slot
Operating temperature	0 to +60 degrees C
Storage and humidity	-25 to +70 degrees C; 10-95% RH, noncondensing

03 APPLICATION AND CONFIGURATION

- It receives 40 digital field inputs using triplicated measurement paths. Input state and wiring fault reporting depend on the configured thresholds and field termination.
- Retain the complete order suffix, hardware series and firmware. Review Product Notice 2025-08-002 before use; neither this listing nor the gallery proves that an individual module is unaffected or corrected.
- Ratings describe the documented equipment, not packed dimensions, shipping weight or a certified supplied-unit origin.

04 OFFICIAL DOCUMENTATION

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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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