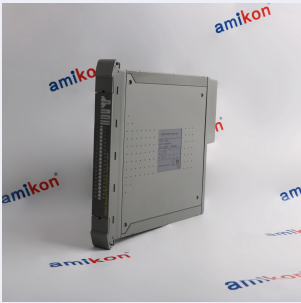


AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8423

Trusted digital input module



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

ICS Triplex T8423 is a 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	T8423
Backplane supply	20 to 32 V DC
Field supply range	35 to 140 V DC
Input channels	40 triplicated digital inputs
Input measurement range	+/-120 V DC; distinct from field supply range
Maximum input withstand	+/-160 V DC
Measurement accuracy	0.5 V DC full scale
Sample update time	0.5 ms

ICSTT-RM272 | PD-T8423 Issue 16. Document issue is not the supplied hardware revision.

02 TECHNICAL DATA

Input thresholds	Configurable turn-on and turn-off voltages
Sequence of events	1 ms resolution; +/-0.5 ms timestamp accuracy
Power consumption	15 to 20 W
External current consumption	2 mA expected at 120 V DC
Self-test interval	2 minutes
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.
- Match the exact order suffix, supplied hardware series, firmware and approved field-circuit configuration; the family manual does not establish unrestricted interchangeability.
- Ratings describe the documented equipment, not packed dimensions, shipping weight or a certified supplied-unit origin.

04 OFFICIAL DOCUMENTATION

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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