

PRODUCT DASHBOARD

T8431C

Trusted TMR 24 Vdc Analog Input Module

ICS Triplex T8431C is a Trusted TMR 24 Vdc analog input module with 40 channels. It measures field current and voltage through the approved termination assembly and supplies monitored analog data to the application.

BRAND

ICS Triplex

ORIGIN

USA

HS CODE

8537101190

SHIPS FROM

Xiamen, Fujian, China

Complete public-page information view

Technical data dashboard

Trusted TMR 24 Vdc Analog Input Module

BACKPLANE SUPPLY 20 to 32 Vdc	BACKPLANE POWER 20 W	INPUTS 40
FTA IMPEDANCE 250 ohm	MODULE IMPEDANCE 16.967 kohm	CURRENT RANGE 0 to 22 mA
VOLTAGE RANGE 0 to 5.5 Vdc	RESOLUTION 3.906 uA	SAFETY ACCURACY +/-200 uA
CALIBRATION ACCURACY +/-0.15%	SOE RESOLUTION 1 ms	OPERATING TEMPERATURE 0 to 60 deg C

Application and support view

Four engineering use cases plus customer-oriented verification questions.

Process transmitter inputs

Measures current-loop signals from pressure, flow, level or temperature transmitters.

Safety analog voting

Supplies calibrated measurements to application logic used for protective trip decisions.

Line-fault monitoring

Uses configured thresholds to distinguish process state from field wiring faults.

Redundant analog acquisition

Supports paired-module arrangements where the project requires online replacement capability.

FAQ SNAPSHOT

1

What is the exact system role of T8431C?

2

Which host, rack or carrier is required for T8431C?

3

What wiring or connector checks apply to T8431C?

4

How is T8431C configured for service?

Related-series navigator

Eight unique and verified Apter Power destinations for this dashboard.

01 T8403C Apter Power product page

02 T9110 Apter Power product page

03 T8151B Apter Power product page

04 T9852 Apter Power product page

05 T9100 Apter Power product page

06 T9193 Apter Power product page

07 MAI32MAD Apter Power product page

08 T8850C Apter Power product page

Related pages are navigation aids and are not used as manufacturer parameter sources.

Traceability and commissioning closeout

Confirm T8431C identity and revision, T8100/T8300 slot, analog termination assembly, loop power and polarity, 250 ohm interface, barriers, shielding, Toolset scaling and thresholds, calibration record and controlled process tests before commissioning.

OFFICIAL MANUFACTURER SOURCE

Trusted TMR 24 Vdc Analog Input Module 40 Channel

ICSTT-RM273Q-EN-P, August 2021

ENGINEERING RELEASE NOTE

Install T8431C in a T8100 or T8300 I/O-module slot with the matched analog-input termination assembly. Confirm the 250 ohm field interface, loop polarity, channel calibration and Toolset scaling before accepting live process measurements.

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