

TRUSTED TMR 24 VDC ANALOGUE INPUT MODULES

Product Data Sheet

T8431CX

Trusted Analogue Input Module

FUNCTION	FAMILY	ORIGIN	WEIGHT
Trusted Analogue Input Module	Trusted TMR 24 Vdc analogue	United Kingdom	1.15 kg

Rockwell Automation / ICS Triplex T8431CX is a Trusted Analogue Input Module for the Trusted TMR 24 Vdc analogue input modules. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Input Channels	40 triplicated analogue inputs
Signal Range	0 to 22 mA
Voltage Measurement Range	0 to 5.5 V DC
Backplane Supply	20 to 32 V DC
Maximum Power Dissipation	20 W
FTA Input Impedance	250 ohms
Module Input Impedance	16.967 kohms
Input Resolution	3.906 microamps per LSB
Safety Accuracy	+/-200 microamps
Calibration Accuracy	+/-0.15%

ADDITIONAL PRODUCT DATA

SOE Event Resolution	1 ms
Circuit Architecture	Fault tolerant, fully triplicated
Channel Isolation	No channel-to-channel isolation
Operating Temperature	0 to +60 deg C
Storage Temperature	-25 to +70 deg C

OFFICIAL APPLICATIONS

- Emergency shutdown input cabinets: Process transmitter current acquisition
- Reactor protection instrument panels: Trip-signal analogue input supervision
- Boiler and turbine protection systems: Critical sensor current monitoring

SYSTEM COMPATIBILITY

Match T8431CX to the installed Trusted TMR 24 Vdc analogue input modules, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

Rockwell Automation Trusted TMR 24 Vdc Analog Input Module 40 Channel, ICSTT-RM273Q-EN-P

https://literature.rockwellautomation.com/idc/groups/literature/documents/rm/icstt-rm273_-en-p.pdf

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM