

T8431

Trusted TMR 24 Vdc Analogue Input Module

Engineered clarity for critical automation.

Product Overview

ICS Triplex T8431 is a Trusted TMR 24 Vdc Analogue Input Module. In the Trusted 8000 system it conditions and digitizes forty current-loop inputs for triplicated safety processing; it handles 0 to 22 mA field currents through the specified field termination assembly and operates with T8100 or T8300 chassis, matching FTA, TMR processor and IEC 61131 TOOLSET. Typical uses include SIS process transmitters, Emergency shutdown sensing, Fire and gas analogue inputs.

Verified Technical Reference

Manufacturer	ICS Triplex (Rockwell Automation)
Model	T8431
Product Type	Trusted TMR 24 Vdc Analogue Input Module
System Family	Trusted 8000
Channel / Interface Summary	40 analogue inputs; 0–22 mA, 3.906 µA resolution
Signal Role	0 to 22 mA field currents through the specified field termination assembly
Official Device Dimensions	266 × 31 × 303 mm
Official Weight / Mass	1.149 kg
Country of origin	Verify the physical nameplate and current Rockwell Automation order record
Tariff Code	8537101101
Official Source	Rockwell Automation ICSTT-RM273Q-EN-P

Core Functions

- conditions and digitizes forty current-loop inputs for triplicated safety processing
- Processes 0 to 22 mA field currents through the specified field termination assembly
- Exchanges data and diagnostics with T8100 or T8300 chassis, matching FTA, TMR processor and IEC 61131 TOOLSET
- Reports module and channel status through the controller architecture
- Supports the safety or high-integrity control strategy described by the official manual

Key Features

- 40 analogue inputs; 0–22 mA, 3.906 μ A resolution
- Designed for the Trusted 8000 architecture
- conditions and digitizes forty current-loop inputs for triplicated safety processing
- Model-specific keying, termination and configuration requirements are retained
- Official diagnostics and redundancy behavior must be commissioned in the host system

Compatible Components

T8100 or T8300 chassis, matching FTA, TMR processor and IEC 61131 TOOLSET

Official Source

Rockwell Automation ICSTT-RM273Q-EN-P

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

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