APTER
POWER

T8403C

Trusted TMR 24 Vdc Digital Input Module

PRODUCT TECHNICAL REFERENCE

ICS Triplex T8403C is a Trusted TMR 24 Vdc digital input module with 40 channels. It measures field voltage and provides input state, threshold and sequence-of-events data to the Trusted application.

OFFICIAL SOURCE

Trusted TMR 24 Vdc Digital Input Module 40 Channel | ICSTT-RM271Q-EN-P, August 2021

Verified technical profile

Trusted TMR 24 Vdc Digital Input Module

Backplane supply	20 to 32 Vdc
Backplane power	20 W
Maximum dissipation	29 W
Inputs	40
Input impedance	5 kohm
Measurement range	-6 to +36 Vdc
Thresholds	Configurable
Maximum withstand	+/-50 Vdc
Safety accuracy	0.5 Vdc
SOE resolution	1 ms
Timestamp accuracy	+/-10 ms
Operating temperature	0 to 60 deg C
Dimensions	266 x 31 x 303 mm
Weight	1.18 kg

ENGINEERING USE OF THE VERIFIED DATA

The module is automatically configured from the downloaded Trusted application and exposes state, voltage and line-fault variables through the IEC 61131 Toolset. Commissioning includes terminal mapping, field-supply references, thresholds, SOE timing and module-slice diagnostic checks.

FIELD CHECKPOINTS
- Confirm T8403C, hardware revision and the assigned Trusted slot.
- Isolate the affected field input supply before disconnecting terminals.

Only values traceable to the listed manufacturer source are treated as verified technical data.

System role and engineering boundaries

ICS Triplex T8403C is a Trusted TMR 24 Vdc digital input module with 40 channels. It measures field voltage and provides input state, threshold and sequence-of-events data to the Trusted application.

1. Acquires forty monitored 24 Vdc field inputs
2. Reports logical state together with measured channel voltage
3. Supports configurable thresholds and one-millisecond event resolution
4. Provides automatic self-diagnostics for Trusted safety applications

ENGINEERING NOTE

Install T8403C in a T8100 or T8300 I/O-module slot with the matched digital-input termination hardware. Verify all 40 field-voltage channels, configurable thresholds, SOE variables and application diagnostics after the module is recognized.

Industrial application matrix

Four source-supported operating contexts for this exact product.

Emergency-stop input groups

Monitors discrete safety contacts and their field-voltage state in Trusted applications.

Process permissive monitoring

Supplies validated input conditions for interlock and startup logic.

Line-fault supervised contacts

Uses voltage thresholds to distinguish switch state from open or abnormal wiring conditions.

Sequence-of-events recording

Captures configured field-state changes for time-ordered event analysis.

MODEL-SPECIFIC ACCEPTANCE FOCUS

Confirm T8403C identity and revision, T8100/T8300 slot, termination assembly, 40-channel terminal map, field commons and grounding, threshold and SOE configuration, Toolset and application versions, diagnostics and controlled input tests before commissioning.

Related-series navigation

Eight verified Apter Power product pages, kept separate from the manufacturer source record.

RELATED APTER POWER SERIES PAGES	
01	T8431C Apter Power product page
02	T8403C Apter Power product page
03	T9110 Apter Power product page
04	T8151B Apter Power product page
05	T9852 Apter Power product page
06	T9100 Apter Power product page
07	T9193 Apter Power product page
08	MAI32MAD Apter Power product page

Navigation links only - not manufacturer evidence for technical parameters.

SOURCE RECORD

Trusted TMR 24 Vdc Digital Input Module 40 Channel | ICSTT-RM271Q-EN-P, August 2021

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