

PRODUCT
DASHBOARD

T8461C

Trusted TMR 24/48 Vdc Digital Output Module

ICS Triplex T8461C is a Trusted TMR 24/48 Vdc digital output module with 40 channels. It delivers monitored field outputs through five isolated power groups for safety and control functions.

BRAND

ICS Triplex

ORIGIN

USA

HS CODE

8537101190

SHIPS FROM

Xiamen, Fujian, China

Complete public-page information view

Technical data dashboard

Trusted TMR 24/48 Vdc Digital Output Module

BACKPLANE SUPPLY

20 to 32 Vdc

BACKPLANE POWER

26 W

FIELD SUPPLY

18 to 58 Vdc

FIELD CURRENT

30 A maximum

OUTPUTS

40

POWER GROUPS

5 groups of 8

ON-STATE RESISTANCE

1.6 ohm

CHANNEL CURRENT

0.75 A continuous

MINIMUM ON-STATE LOAD

25 mA

CURRENT MEASUREMENT

0 to 1.35 A

VOLTAGE MEASUREMENT

0 to 58 Vdc

LOAD CAPACITANCE

500 uF maximum

Application and support view

Four engineering use cases plus customer-oriented verification questions.

48 Vdc trip circuits

Drives higher-voltage protective outputs within the documented field-supply range.

Safety solenoid banks

Controls grouped DC final elements while monitoring output voltage and current.

Redundant actuator commands

Supports Trusted fault-tolerant output architectures with matched termination hardware.

Process interlock outputs

Executes discrete safety and sequence commands through independently powered channel groups.

FAQ SNAPSHOT

1

What is the exact system role of T8461C?

2

Which host, rack or carrier is required for T8461C?

3

What wiring or connector checks apply to T8461C?

4

How is T8461C configured for service?

Related-series navigator

Eight unique and verified Apter Power destinations for this dashboard.

- 01

TC-215-02-10M5 Apter Power product page
- 02

TC-215-02-12M5 Apter Power product page
- 03

TC-301-02-2M0 Apter Power product page
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TC-301-02-6M5 Apter Power product page
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TC-301-02-10M0 Apter Power product page
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T9482 Apter Power product page
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T9803 Apter Power product page
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TC-001-02-2M5 Apter Power product page

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

Traceability and commissioning closeout

Confirm T8461C identity and revision, T8100/T8300 slot, termination assembly, five power-group supplies and returns, channel wiring, grounding, Toolset version, application mapping, protection reset and controlled final-element tests before commissioning.

OFFICIAL MANUFACTURER SOURCE

Trusted TMR 24/48 Vdc Digital Output Module 40 Channel

ICSTT-RM451D-EN-P, March 2021

ENGINEERING RELEASE NOTE

Install T8461C only in a T8100 or T8300 I/O-module slot with the matched field termination assembly and application definition. Preserve the five power-group boundaries, then verify channel current, voltage diagnostics and electronic short-circuit reset behavior during commissioning.

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