

PRODUCT
DASHBOARD

T8451C

Trusted TMR 24 Vdc Digital Output Module

ICS Triplex T8451C is a Trusted TMR 24 Vdc digital output module with 40 channels. It switches monitored loads through five eight-channel power groups for safety and process-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 Vdc Digital Output Module

BACKPLANE SUPPLY

20 to 32 Vdc

BACKPLANE POWER

27 W

FIELD SUPPLY

18 to 32 Vdc

OUTPUTS

40

POWER GROUPS

5 groups of 8

FIELD CURRENT AT 50 DEG C

40 A total; 8 A per group

FIELD CURRENT AT 60 DEG C

30 A total; 6 A per group

ON-STATE RESISTANCE

1.6 ohm

CHANNEL CURRENT

2 A continuous

MINIMUM ON-STATE LOAD

50 mA

LOAD CAPACITANCE

3000 uF maximum

SHORT-CIRCUIT PROTECTION

Electronic latching

Application and support view

Four engineering use cases plus customer-oriented verification questions.

24 Vdc shutdown solenoids

Controls protected trip loads in Trusted safety instrumented functions.

Process valve banks

Drives grouped discrete actuators with monitored output state and current.

Alarm and interlock outputs

Executes application commands to field relays and annunciation circuits.

Fault-tolerant digital outputs

Supports matched-module output configurations with controlled online replacement procedures.

FAQ SNAPSHOT

1

What is the exact system role of T8451C?

2

Which host, rack or carrier is required for T8451C?

3

What wiring or connector checks apply to T8451C?

4

How is T8451C configured for service?

Related-series navigator

Eight unique and verified Apter Power destinations for this dashboard.

01 T9193 Apter Power product page

02 MAI32MAD Apter Power product page

03 T8850C Apter Power product page

04 T8850 Apter Power product page

05 T8830 Apter Power product page

06 T8461CX Apter Power product page

07 T8800 Apter Power product page

08 T9881 Apter Power product page

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

Traceability and commissioning closeout

Confirm T8451C identity and revision, T8100/T8300 slot, 24 Vdc termination assembly, five supply groups, ambient derating, channel loads, grounding, Toolset and firmware/application versions, protection reset and complete final-element test before commissioning.

OFFICIAL MANUFACTURER SOURCE

Trusted TMR 24 Vdc Digital Output Module 40 Channel

ICSTT-RM2800-EN-P, August 2021

ENGINEERING RELEASE NOTE

Install T8451C in a T8100 or T8300 I/O slot with the matched 24 Vdc digital-output termination hardware and preserve its five field-power groups. Verify ambient-temperature derating, channel current, measured output diagnostics and latching short-circuit recovery before service release.

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