

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8461C

Conformal-coated TMR digital output module



OUTPUTS	GROUPS	FIELD	CHANNEL
40 TMR channels	5 x 8 channels	18-58 V DC	0.75 A maximum

ICS Triplex T8461C is a conformal-coated Trusted TMR digital output module with 40 channels arranged in five power groups. It drives compatible field loads and checks output current and voltage to report wiring and load faults within the configured safety application.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8461C
Output channels	40 TMR digital outputs
Power groups	5 groups, 8 channels per group
Backplane supply	20 to 32 V DC
Backplane power	26 W
Field supply	18 to 58 V DC
Maximum field-supply current	30 A per module
Continuous channel current	0.75 A per channel

02 TECHNICAL DATA

Minimum on-state load	25 mA
On-state resistance	1.6 ohms
Maximum load capacitance	500 microfarads
Short-circuit protection	Electronic latching
SOE event resolution	1 ms
Operating temperature	0 to +60 degrees C
Storage temperature	-25 to +70 degrees C
Humidity	10 to 95%, non-condensing

03 APPLICATION AND CONFIGURATION

- Drives compatible digital loads; the field supply is distinct from the module backplane supply.
- Review output current, minimum load, capacitance and group wiring before commissioning.
- Online replacement requires the configured changeover procedure; never remove a module still active.

04 OFFICIAL DOCUMENTATION

ICSTT-RM451D-EN-P | March 2021 | PD-T8461 Issue 16

Overview: p. 7; installation: pp. 19-21; changeover: pp. 35-38; specifications: pp. 39-40. C option: ICSTT-CT004L, p. 2.

Independent Amikon summary, not a manufacturer-issued manual. Use the complete current manufacturer instructions and approved system safety procedure. No original manual pages are reproduced.

AMIKON PRODUCT SUPPORT

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