

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8461

Trusted TMR digital output module



OUTPUTS	GROUPS	FIELD SUPPLY	BACKPLANE
40 digital	5 x 8 channels	18-58 V DC	20-32 V DC

ICS Triplex T8461 connects forty field devices to 24 V DC or 48 V DC digital outputs. Each channel uses a triple modular redundant architecture, with diagnostic measurements of voltage and current across the voted output path to support fault-tolerant operation.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8461
Digital output count	40 channels
Power-group arrangement	5 groups of 8 channels
Backplane voltage	20 to 32 V DC
Backplane power	26 W
Field-supply voltage	18 to 58 V DC
Maximum field current	30 A per module
Continuous output current	0.75 A per channel

02 TECHNICAL DATA

Minimum on-state load	25 mA
On-state output resistance	1.6 ohms
Maximum load capacitance	500 microfarads
Short-circuit response	Electronic latching protection
SOE resolution	1 ms; timestamp accuracy is separately +/-10 ms
Operating temperature	0 to +60 degrees C
Storage temperature	-25 to +70 degrees C
Relative humidity	10 to 95%, non-condensing

03 APPLICATION AND CONFIGURATION

- Drives digital loads within the documented current, voltage and capacitance limits.
- Line diagnostics identify output wiring and load faults; safety logic belongs to the configured application.
- Use the specified changeover procedure and required barriers. Never remove an active module.

04 OFFICIAL DOCUMENTATION

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Overview: p. 7; mounting and cable keying: pp. 19-21; changeover: pp. 37-38; specifications: pp. 39-40.

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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