

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8480C

Conformal-coated TMR analog output module



OUTPUTS	RECOMMENDED	FIELD SUPPLY	OPTION
40 analog	4-20 mA	18-32 V DC	Conformal coated

ICS Triplex T8480C is the conformal-coated version of the forty-channel Trusted TMR analog output module. Each output incorporates triplicated circuitry and diagnostic checks that measure voltage and current across the voted channel, helping maintain operation when faults occur.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8480C
Analog output channels	40
Power groups	5 groups of 8 channels
Backplane supply	20 to 32 V DC
Backplane power	22 W
Field-supply voltage	18 to 32 V DC
Maximum field-supply current	0.9 A
Recommended current output	4 to 20 mA

02 TECHNICAL DATA

Continuous output range	1 to 22 mA
Calibration accuracy at +25 degrees C	+/-0.1% of full scale
Overall accuracy, 0 to +60 degrees C	+/-0.25% of full scale
Off-state leakage at 24 V	350 microamps maximum
Step response	1 to 20 mA step to within 1% of final value: less than 50 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

- Provides current-loop outputs with measured current and voltage diagnostics.
- Confirm load resistance against the manufacturer graph for the available field voltage.
- The product overview specifies non-interfering use; do not assume unrestricted safety-output suitability.

04 OFFICIAL DOCUMENTATION

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Overview: p. 7; installation: pp. 17-19; changeover: pp. 33-36; specifications: pp. 37-38. 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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