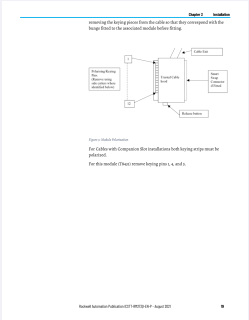
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

T8431CX

40-channel TMR analog input



PRODUCT	T8431CX
FAMILY	Trusted TMR analog I/O
FUNCTION	40-channel TMR analog input
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from ICS Triplex documentation. This guide supplements the complete manufacturer manual and site procedure.

01 CONFIRM THE ORDERED CONFIGURATION

Analog input count	40 channels, triplicated architecture
Nominal current signal	4-20 mA
Full input-current range	0-22 mA
Backplane supply range	20-32 V DC
Module power demand	20 W
FTA input impedance	250 ohm

02 PREPARATION AND CONNECTION

- Inspect the housing and rear I/O pins; do not fit a damaged module.
- Record the exact CX identity, revision and serial number.
- Check the cable keying and open both ejectors using the release key.
- Insert without force, seat fully and latch both ejectors as instructed.

03

OFFICIAL INSTALLATION REFERENCE

removing the keying pieces from the cable so that they correspond with the bungs fitted to the associated module before fitting.

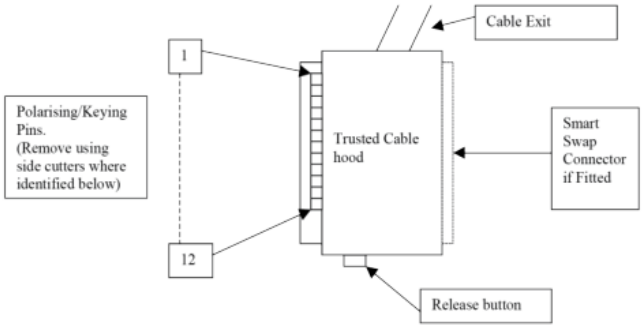


Figure 3: Module Polarization

For Cables with Companion Slot installations both keying strips must be polarized.

For this module (T8431) remove keying pins 1, 4, and 5.

Official manufacturer page reproduced at its original aspect ratio.

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04 COMMISSIONING CHECKS

01	Confirm T8431CX and the intended Trusted I/O slot.
02	Verify the 20-32 V backplane supply and power budget.
03	Match the field cable polarization and termination.
04	Restore the I/O definition and channel thresholds.
05	Check Healthy, Active, Standby and Educated indications.
06	Validate input scaling, faults and redundant changeover.

05 CONTROLLED DOCUMENT

Official source	Rockwell Automation ICSTT-RM273Q-EN-P, August 2021; T8431 family hardware.
Product record	T8431CX
Manufacturer	ICS Triplex
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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