

T8830C Installation & Verification

Trusted Conformal-Coated 40-Channel Analog Input FTA

Installation Checklist

Step	Model-specific verification	Check
1	Confirm T8830C on the nameplate; do not treat the coating suffix as an electrical redesign.	☐
2	Handle the assembly with ESD controls and avoid damaging the protective coating.	☐
3	Verify loop polarity, dual field supplies, shield grounding and matched T8431 cables.	☐
4	Replace fuses only after diagnosing the field-loop fault and confirming the official rating.	☐
5	Prove loop accuracy, open-loop detection and diagnostics before return to service.	☐

Signal and Hardware Match

Signals / data	forty 0–22 mA field-current loops through individual 50 mA fuses and 250 Ω conversion resistors
Compatible ecosystem	T8431 analog input module, SmartSlot v1 cables, dual 24 Vdc field supplies and the coated cabinet design
Official dimensions	111 × 335 × 51 mm
Published weight	0.900 kg

Commissioning Record

Project / unit	
Cabinet / base / slot	
Hardware revision	
Termination / cable	
Channel test result	
Technician / date	

Release-to-Service Gate

- ✓ Record the exact model and physical nameplate.
- ✓ Confirm approved compatible hardware and wiring.
- ✓ Complete diagnostics and channel-level functional testing.
- ✓ Attach controlled test results before authorization.

Official Source

Rockwell Automation PD-T8830 Trusted 40 Channel Analog Input FTA
https://literature.rockwellautomation.com/idc/groups/literature/documents/rm/icsst-rm291_-en-p.pdf

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Send the exact model, nameplate and required quantity.

