

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8830C

Trusted analogue input termination

CHANNELS	SIGNALS	RESISTOR	FIELD POWER
40 analogue inputs	4-20 mA service	250 ohm / channel	18-32 Vdc

ICS Triplex T8830C is a forty-channel fused analogue input field termination assembly. The manufacturer identifies the exact model for four-to-twenty milliamp field signals. It provides the interface between two-wire field devices and the associated Trusted analogue input module through a matched cable.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8830C
Analogue termination capacity	40 input channels
Nominal signal service	4-20 mA; exact-model manufacturer product description
Field supply voltage	18-32 Vdc; nominal 24 Vdc
Channel measurement resistor	250 ohm; voltage signal passed to the analogue input module
Per-loop field protection	50 mA fuse for each field supply loop
Dual feed arrangement	Field supplies combined through on-board diodes
Supply status indication	Green LED indicates field power presence

02 TECHNICAL DATA

Module cable connection	SK1, 96-way socket
SmartSlot connection scope	SK2, 96-way socket; not used for SmartSlot Version 2
Associated input module	Trusted TMR analogue input module T8431
DIN rail mounting	TS32 or TS35; horizontal or vertical
Operating temperature	0 to +60 degrees C
Storage and humidity	-25 to +70 degrees C; 10-95% RH, noncondensing
Equipment dimensions	111 x 335 x 51 mm (H x W x D)
Equipment mass	900 g; not packaged or shipping gross weight

03 APPLICATION AND CONFIGURATION

- T8830C connects analogue field loops to the documented T8431 input arrangement. Channel current develops a voltage across the 250 ohm resistor for the input module. Fused field supply, cable mapping and module configuration must be checked together; the FTA is not the measuring processor.
- Match the exact T8830C model, board revision, loop design, fuses and approved cable. Similar mounting and channel count do not establish interchangeability with a digital-input or non-incendive termination assembly. Verify the actual SmartSlot generation separately.
- Ratings describe the documented equipment, not packed dimensions, shipping weight or a certified supplied-unit origin.

04 OFFICIAL DOCUMENTATION

PD-T8830 Issue 7 | 40 Channel Analogue Input FTA

PDF pp. 1, 11-12: analogue interface and resistor circuit; pp. 13, 15: mounting and cables; pp. 17-22: terminals and ratings.

Manufacturer exact-model page - T8830C, 4-20 mA fused analogue input FTA

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

AMIKON PRODUCT SUPPORT

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