

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8842

Trusted versatile termination assembly

CHANNELS	FIELD SUPPLY	GROUPS	MOUNTING
40 configurable	18-28 Vdc	5 x 8 channels	TS32 / TS35 rail

ICS Triplex T8842 is a versatile field termination assembly linking field devices to the Trusted zone interface module. Its forty configurable channels accommodate analogue inputs, digital inputs and digital outputs, including circuits associated with fire and gas detection and suppression.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8842
Channel capacity	40 channels, individually configured as inputs or outputs
Power-group arrangement	5 groups of 8 channels; dual field feeds per group
Field supply voltage	18-28 Vdc
Signal input range	0-20 mA; use the appropriate channel configuration
Maximum field-supply current	2.52 A per power group; distinct from the digital-output path
Recommended field operating current	220 mA per channel, as specified for field supply
Field-supply power consumption	9 W maximum

02 TECHNICAL DATA

Configuration fuse types	Plug-in TE5: 50 mA, 315 mA or 2 A according to circuit function
Field connections	40 three-way terminal blocks for two-wire or three-wire field devices
Analogue measurement resistor	250 ohm, 0.25 W, 0.1% precision resistor per channel
Mounting arrangement	TS32 or TS35 DIN rail; horizontal or vertical
Operating temperature	0 to +60 degrees C
Storage and humidity	-25 to +70 degrees C; 10-95% RH, noncondensing
Equipment dimensions	110 x 360 x 68 mm (H x W x D), including rail and connectors
Equipment mass	950 g; not packaged or shipping gross weight

03 APPLICATION AND CONFIGURATION

- T8842 terminates field circuits for the T8448 zone interface and T8449 valve monitor arrangements. Select each channel configuration for the actual input or output device. Dual field feeds, protective fuses, resistors and cable selection are separate checks; the board is not a standalone controller.
- Match the full T8842 identity, board revision, module type, cable and every channel link arrangement. A shared 40-channel form does not establish replacement compatibility. Preserve the approved field power and fire-loop reset design.
- Ratings describe the documented equipment, not packed dimensions, shipping weight or a certified supplied-unit origin.

04 OFFICIAL DOCUMENTATION

PD-T8842 Issue 9 | Trusted Versatile FTA

PDF pp. 1, 11-17: role and circuit configurations; pp. 18, 20: mounting and power; pp. 22-27: connectors and links; p. 28: ratings.

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

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