

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex TC-001-02-2M5

Trusted Chassis Power Cable

LENGTH	ROLE	SUPPLY CONTEXT	INSULATION
2.5 meters	Chassis power	24 Vdc	LSZH

For qualified personnel only. This installation summary is not a substitute for the controlled manufacturer procedure, system safety plan or approved site isolation requirements.

01

BEFORE INSTALLATION

Complete identity	Confirm TC-001-02-2M5 and the 2.5-meter length.
Endpoints	Check T8292 and the intended Trusted controller or expander chassis.
Supply arrangement	Verify voltage, polarity and protection against the original equipment documents.
Route and condition	Inspect the cable, connectors and supported route.
Work controls	Use qualified personnel and the approved isolation and hazardous-area procedure.

02

PREPARATION AND BOUNDARIES

- Read the original Figure 1 and the complete supply and load instructions. This reference does not reproduce a connector pinout.
- Treat the catalog maximum as a cable limit, not a host supply setpoint. Do not alter the assembly or infer protection requirements from another cable.

03
INSTALLATION AND COMMISSIONING

01	Match TC-001-02-2M5, the 2.5-meter route and exact supply/load identities.
02	Apply the approved isolation and hazardous-area controls before disturbing power connections.
03	Identify the supply and load endpoints using the original manufacturer drawing.
04	Inspect and fit the correct assembly without straining, forcing or modifying its connectors.
05	Verify the documented polarity, supply protection and connections before controlled energization.
06	Complete the load-specific operational and diagnostic checks before returning equipment to service.

04
SAFETY AND FINAL CHECKS

- Check the approved power source, protection, connector seating and correct load connection when investigating supply problems.
- Use the complete equipment diagnostic procedure. The cable rating does not establish the safe state or performance of the connected load.

05
OFFICIAL PROCEDURE

ICSTT-RM310K-EN-P | Trusted TC000 Power Cables | Issue 11

RM310K PDF p. 11: Figure 1, endpoints and exact length; p. 2: -02 insulation; pp. 5-6: warnings. PC002G PDF p. 5: electrical limit.

ICSTT-PC002G | Trusted Product Information | December 2025

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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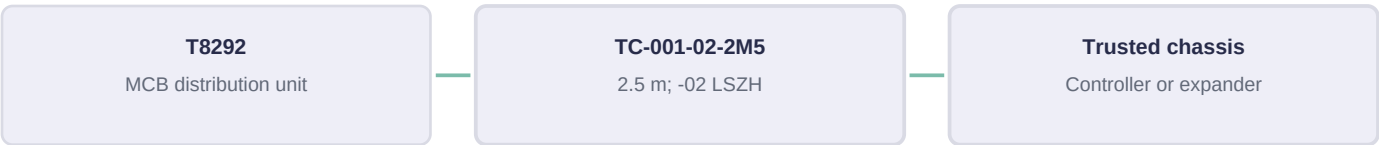
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06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex TC-001-02-2M5 | Documented installation context

Original Amikon illustration based on the linked OEM pages. Logical arrangement only; not to scale and not an electrical wiring or manufacturer installation drawing.

A | EQUIPMENT ARRANGEMENT



Logical power route only; connector positions, polarity and protective devices must follow the original drawing.

The documented supply context is 24 Vdc; a higher cable maximum is not a permitted host supply setting.

B | CONFIGURATION BOUNDARY

Use TC-001-02-2M5 for the documented 2.5-meter T8292-to-Trusted controller or expander chassis connection. Confirm the original wiring, actual supply and approved work controls.

07 ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Original power cable - Figure 1 - PDF page 11](#)

[Original insulation convention - PDF page 2](#)

[Original safety warnings - PDF page 6](#)

If the viewer ignores the page target, enter the stated PDF page manually. Retain the full manufacturer warnings and approved maintenance plan; this reference does not authorize live work.