

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex TC-505-02-2M0

Internal Output SmartSlot Cable

CABLE LENGTH	I/O CLASS	POWER BRANCHES	INSULATION
2.0 meters	40-channel output	Supply and return	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	Verify TC-505-02-2M0 and the 2.0-meter route.
Output equipment	Check the exact module, FTA and field-power distribution.
Connection identity	Identify signal connectors, five-way return and six-way supply plug.
Reference and earth	Verify field 0 V, hood-earth braids and screen-earth provision.
Work controls	Use qualified personnel and approved isolation and hazardous-area procedures.

02 PREPARATION AND BOUNDARIES

- Read Figure 5 and the full output-module, FTA and power-distribution documents; this reference supplies no electrical pinout.
- The chassis reference must connect to field 0 V. Preserve the complete manufacturer reference-commoning arrangement and never infer it from cable color alone.

03
INSTALLATION AND COMMISSIONING

01	Confirm TC-505-02-2M0, the exact output module, compatible FTA and approved power-distribution arrangement.
02	Establish site isolation and hazardous-area controls before disturbing any signal or power connection.
03	Identify the chassis and FTA ends, five-way return connector and six-way field-power plug from the original drawing.
04	Verify field-zero reference and the documented hood safety-earth and screen-earth connections.
05	Route the cable without pulling connectors; inspect fully seated terminations, protective sleeving and support.
06	Complete controlled output diagnostics and required process-function tests before returning equipment to service.

04
SAFETY AND FINAL CHECKS

- Check field supply, return, voltage-reference wiring and connector identity against the complete OEM arrangement when investigating output faults.
- Do not equate a valid connector fit with correct output wiring or safety status; use manufacturer diagnostics and the approved maintenance plan.

05
OFFICIAL PROCEDURE

ICSTT-RM313Q-EN-P | Trusted TMR I/O SmartSlot Cables | Issue 19

RM313Q PDF p. 1: suffix and routing; pp. 23-24: Figure 5, output connections and earthing; pp. 5-6: safety warnings.

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.

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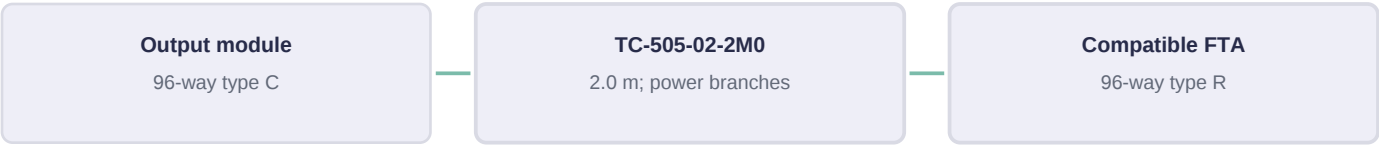
06

ORIGINAL REFERENCE SCHEMATICS

ICS Triplex TC-505-02-2M0 | 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



Additional branches: five-way power return to T8290; six-way field-power plug from T8290 or T8297.

Logical relationship only; field 0 V, reference commoning, safety earth and screen earth require the complete original drawing.

B | CONFIGURATION BOUNDARY

Use TC-505-02-2M0 only within the documented internal output SmartSlot arrangement. Verify the module, FTA, power distribution, field-zero reference and 2.0-meter cable route.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Output SmartSlot cable - Figure 5 - PDF page 23](#)

[Original earthing and sleeving details - PDF page 24](#)

[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.