

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex TC-215-02-4M5

Internal Output Companion Slot Cable

LENGTH	I/O CLASS	CHANNELS	INSULATION
4.5 meters	Output	40	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-215-02-4M5 and the 4.5-meter route.
Module and FTA	Match the documented digital output with integral power arrangement.
Chassis layout	Verify adjacent slots and the double-width chassis hood.
Field wiring	Field power connects at the field termination assembly, and the documented reference must be tied to field 0 V.
Work controls	Use qualified personnel and the approved isolation and hazardous-area procedure.

02

PREPARATION AND BOUNDARIES

- Read the full cable, I/O-module and FTA instructions before work. The logical drawing here is not a terminal or channel pinout.
- Internal cable use assumes the documented enclosure arrangement. Protect the assembly during routing and never pull it by its connectors.

03
INSTALLATION AND COMMISSIONING

01	Confirm TC-215-02-4M5, its 4.5-meter length, -02 insulation and documented output role.
02	Identify the adjacent module slots, internal FTA and all applicable field and power connections.
03	Apply the approved site isolation and hazardous-area controls before disturbing connections.
04	Fit the correct chassis and FTA connectors without force or strain; retain the documented earth connections.
05	Field power connects at the field termination assembly, and the documented reference must be tied to field 0 V. Verify the field circuit remains within the exact cable rating.
06	Check connector seating, reference continuity and affected I/O using the complete commissioning procedure.

04
SAFETY AND FINAL CHECKS

- Use the module and FTA diagnostics to investigate an affected channel; check the exact cable role, connectors and approved field circuit.
- Do not infer a safe process state from connector appearance. Confirm the required field reference, safety earth and screen earth against the original drawings.

05
OFFICIAL PROCEDURE

ICSTT-RM311R-EN-P | Trusted I/O Companion Slot Cables | Issue 21

RM311R PDF pp. 1, 11-12: cable selection and order code; pp. 39-40: Figure 13 and construction; p. 6: warnings. PC002G p. 5: cable limits.

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

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM

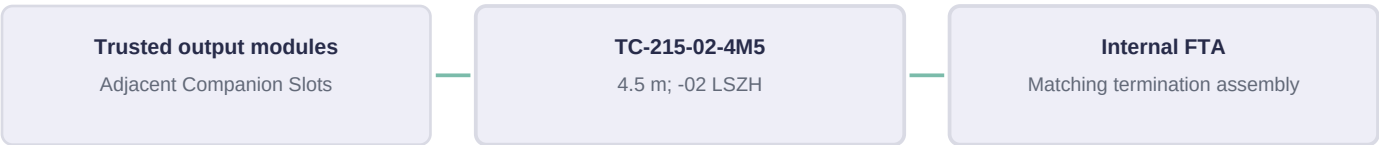
06

ORIGINAL REFERENCE SCHEMATICS

ICS Triplex TC-215-02-4M5 | 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 relationship only; two type C chassis connectors share the double-width hood. The FTA end uses one type R connector.

Field power connects at the field termination assembly, and the documented reference must be tied to field 0 V.

B | CONFIGURATION BOUNDARY

TC-215-02-4M5 requires the documented output module, internal FTA and adjacent Companion Slot arrangement. Confirm the field circuit within the -02 cable rating; no cross-family substitution is assumed.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Original cable arrangement - Figure 13 - PDF page 39](#)

[Order-code and routing guidance - PDF page 1](#)

[Original maintenance 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.