AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex TC-201-02-12M5

Internal Input Companion Slot Cable

LENGTH	I/O CLASS	CHANNELS	INSULATION
12.5 meters	Input	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-201-02-12M5 and the 12.5-meter route.
Module and FTA	Match the documented analogue or digital input arrangement.
Chassis layout	Verify adjacent slots and the double-width chassis hood.
Field wiring	Input signals pass from the internal field termination assembly to the module.
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-201-02-12M5, its 12.5-meter length, -02 insulation and documented input 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	Input signals pass from the internal field termination assembly to the module. 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. 15: Figure 1 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.

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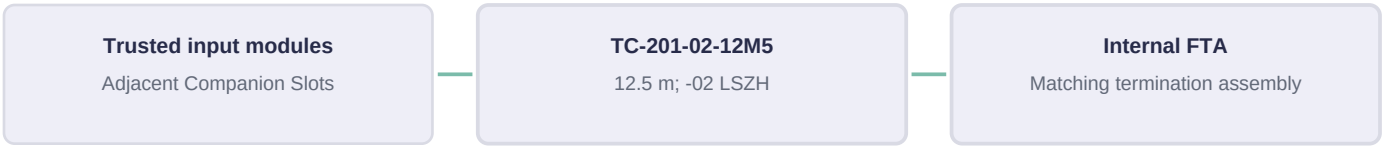
06 ORIGINAL REFERENCE SCHEMATICS

ICS Triplex TC-201-02-12M5 | 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.

Input signals pass from the internal field termination assembly to the module.

B | CONFIGURATION BOUNDARY

TC-201-02-12M5 requires the documented input 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 1 - PDF page 15

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.