

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex TC-501-02-6M5

Internal Input SmartSlot Cable

CABLE LENGTH	I/O CLASS	ARRANGEMENT	INSULATION
6.5 meters	40-channel input	Internal SmartSlot	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

Exact identity	Confirm TC-501-02-6M5 and its 6.5-meter length.
Equipment pairing	Check the input module and FTA against Figure 1.
Cable route	Verify the internal adjacent-enclosure route and protect the assembly.
Earthing	Identify both hood-earth braids and the FTA-end screen-earth wire.
Work controls	Use trained personnel and the approved isolation and hazardous-area procedure.

02

PREPARATION AND BOUNDARIES

- Consult the original module/FTA drawing and complete SmartSlot maintenance procedure; this reference is not a wiring pinout.
- Do not pull by connectors. The manual recommends a maximum I/O cable length of 15 meters; longer routes require separate engineering assessment.

03
INSTALLATION AND COMMISSIONING

01	Match TC-501-02-6M5, the 6.5-meter length, -02 insulation and exact input-module/FTA pairing.
02	Apply approved site isolation and hazardous-area precautions before disturbing the cable.
03	Identify the chassis type C and FTA type R connectors from the original drawing.
04	Route and protect the cable without pulling its connectors; retain the approved enclosure-entry arrangement.
05	Verify seated connectors, intact sleeving and the separate documented safety-earth and screen-earth connections.
06	Complete input-signal, module-diagnostic and required process-function checks under the approved commissioning procedure.

04
SAFETY AND FINAL CHECKS

- Compare unexpected input behavior with the verified module/FTA pairing, connector seating, screen connection and actual cable route.
- Use the complete module diagnostics and controlled maintenance procedure; no signal assignment or safe process response is inferred from the cable alone.

05
OFFICIAL PROCEDURE

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

RM313Q PDF p. 1: length and routing; p. 15: Figure 1 and construction; pp. 5-6: warnings. PC002G PDF p. 6: 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

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM

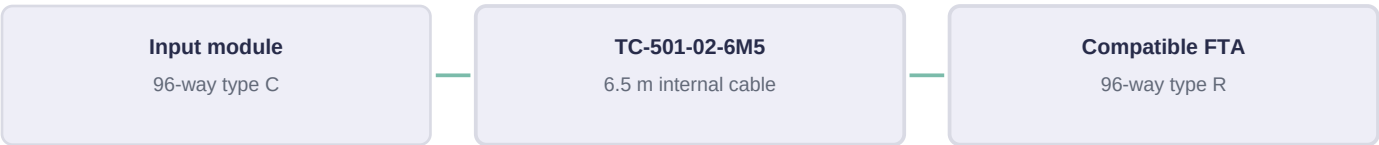
06

ORIGINAL REFERENCE SCHEMATICS

ICS Triplex TC-501-02-6M5 | 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 input-to-FTA relationship only; no electrical pinout or channel mapping is shown.

Confirm the original compatible equipment pairing and separate hood-earth and screen-earth provisions.

B | CONFIGURATION BOUNDARY

Use TC-501-02-6M5 for the documented internal input-to-FTA SmartSlot arrangement. Verify exact module and FTA compatibility, the 6.5-meter route and approved work controls.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

- Input SmartSlot cable - Figure 1 - PDF page 15
- Original length and routing guidance - PDF page 1
- 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.