

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex TC-304-01

Front Panel Diagnostics Cable

INTERFACE	CABLE	CONNECTORS	LOCATION
RS232 diagnostics	Belden 9536	9-way D / 6-way DIN	Ordinary locations

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-304-01, the actual cable length and assembly condition.
Host equipment	Identify the T8110 or T8151 front-panel diagnostics port.
Workstation	Check the approved PC interface and required diagnostic tools.
Location	Confirm the ordinary-location conditions listed for this cable.
Work controls	Use qualified personnel and the approved connection and maintenance procedure.

02

PREPARATION AND BOUNDARIES

- Read the original Figure 4 and complete host-equipment diagnostic instructions before connection. This reference is not a connector pinout.
- Protect exposed contacts and verify both endpoint identities. No cable length, baud rate or workstation software compatibility is inferred.

03
INSTALLATION AND COMMISSIONING

01	Match TC-304-01, its actual length and the documented workstation and host equipment.
02	Confirm ordinary-location use and apply the approved maintenance and connection controls.
03	Identify the front-panel RS232 diagnostic port and the different D-type and DIN connectors.
04	Inspect and route the cable without straining or forcing its connectors.
05	Follow the original host instructions to establish the diagnostic link using approved tools.
06	Verify the connection and restore the approved operating state without unauthorized process changes.

04
SAFETY AND FINAL CHECKS

- Investigate cable identity, connector seating and the selected workstation and host port using the original diagnostic instructions.
- A successful physical connection does not prove correct software settings or authorize control changes; use the approved maintenance process.

05
OFFICIAL PROCEDURE

ICSTT-RM312N-EN-P | Trusted Communications Cables | Issue 17, May 2019

RM312N PDF p. 21: Figure 4 and exact cable description; pp. 7-8: safety warnings. PC002G PDF p. 5: electrical limit and location restriction.

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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ORIGINAL REFERENCE SCHEMATICS

ICS Triplex TC-304-01 | 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



Opposite cable end: six-way DIN connector. This is a logical endpoint reference, not a wiring pinout.

Verify actual cable length and ordinary-location conditions; follow complete host and workstation instructions.

B | CONFIGURATION BOUNDARY

Use TC-304-01 for the documented workstation-to-front-panel RS232 diagnostic connection. Verify the exact host, ordinary-location conditions, actual length and approved maintenance controls.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Original diagnostic cable - Figure 4 - PDF page 21](#)

[Original safety warnings - PDF page 8](#)

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.