

PP45563-T8842

Trusted 40-Channel Versatile Field Termination Assembly

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

ICS Triplex PP45563-T8842 is a Trusted 40-channel Versatile Field Termination Assembly. It terminates grouped analogue-input, digital-input or digital-output field circuits for the matched Trusted I/O arrangement.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact ICS Triplex article.

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PP45563-T8842

Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 1

Confirm PP45563-T8842 and T8842 on the assembly record.
- 2

Place the safety function and all associated final elements in the approved maintenance state.
- 3

Isolate each field-supply group and use ESD controls at the Trusted interface.
- 4

Record TB1–TB40 channels and TBG/TBFP group terminals before disconnection.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	PP45563-T8842
Host / carrier	Trusted TMR versatile field I/O system
Primary system role	Terminates forty versatile field I/O channels
Acceptance boundary	Perform controlled point-to-point and safety-function proof tests before release.
Source record	Trusted Versatile Field Termination Assembly

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

Mount PP45563-T8842 in the documented Trusted Versatile FTA position and map all five eight-channel groups before disturbing wiring. Match fuse and resistor selections to each channel function, restore field supply and terminations, then validate every channel from the Trusted module to the field device.

- 1

Confirm each fitted fuse and resistor matches the channel's configured function.
- 2

Restore the approved Trusted module, cable and FTA configuration.
- 3

Verify field supply, polarity, fuse status and channel diagnostics group by group.
- 4

Perform controlled point-to-point and safety-function proof tests before release.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

Confirm PP45563-T8842, Trusted T8842 execution, paired I/O module, five eight-channel groups, terminal assignments, fuse and resistor options, 18–28 V DC field supply, polarity, grounding, system configuration and complete proof-test results before commissioning.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	PP45563-T8842
Host match	Trusted TMR versatile field I/O system
Connection proof	Restore the approved Trusted module, cable and FTA configuration.
Configuration proof	Verify field supply, polarity, fuse status and channel diagnostics group by group.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

Perform controlled point-to-point and safety-function proof tests before release.

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

Maintenance Verification and Closeout

Trusted analogue input marshalling

Terminates 0–20 mA field signals for the configured Trusted input module.

Trusted digital input grouping

Organizes discrete field contacts into five documented channel groups.

Trusted digital output distribution

Routes controlled field supply to configured digital output circuits.

Safety-system FTA replacement

Restores an exact versatile termination position with recorded channel evidence.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
T8850C	speed-monitor FTA	View T8850C page
T8461CX	digital output module	View T8461CX page
T8830C	analogue input FTA	View T8830C page
T8431C	analogue input module	View T8431C page
T8403C	digital input module	View T8403C page
T9110	processor module	View T9110 page
T8151B	communications interface	View T8151B page
T9852	digital output FTA	View T9852 page

MANUFACTURER SOURCE RECORD

Trusted Versatile Field Termination Assembly
Rockwell Automation publication PD-T8842, Issue 9

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