

PP45563-T8842

Trusted 40-Channel Versatile Field Termination Assembly

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.

BRAND	ICS Triplex	FAMILY	Trusted TMR versatile field I/O system
PART	PP45563-T8842	SYSTEM ROLE	Terminates forty versatile field I/O channels

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MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

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.

FUNCTION 1

Terminates forty versatile field I/O channels

FUNCTION 2

Separates the channels into five groups of eight

FUNCTION 3

Supports analogue or digital input and digital output use

FUNCTION 4

Provides individual channel fuse and resistor arrangements

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Trusted TMR versatile field I/O system
Primary interface	Terminates forty versatile field I/O channels
Engineering context	The FTA is paired with the selected Trusted input or output module and uses grouped field-supply and terminal connections. Commissioning verifies group function, fuse and resistor execution, polarity, field supply and point-to-point response.
Commissioning duty	Perform controlled point-to-point and safety-function proof tests before release.

TECHNICAL NOTE

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.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Trusted model	T8842	Field supply	18 to 28 V DC
Field channels	40	Maximum field current	2.52 A per group
Channel groups	5 groups of 8	Recommended current	220 mA per channel
Input signal	0 to 20 mA analogue or digital	Maximum power dissipation	9 W
Output use	Digital output	Operating temperature	-5 to +60 deg C

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
T9110	processor module	View T9110 page
T8151B	communications interface	View T8151B page
T9852	digital output FTA	View T9852 page
T9100	processor base unit	View T9100 page
T9193	processor interface adapter	View T9193 page
T8850C	speed-monitor FTA	View T8850C page
T8461CX	digital output module	View T8461CX page
T8830C	analogue input FTA	View T8830C page

ENGINEERING BOUNDARY

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.

Applications and Precautions

Common Applications

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.

Product Precautions

- 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.
- 5

Confirm each fitted fuse and resistor matches the channel's configured function.
- 6

Restore the approved Trusted module, cable and FTA configuration.
- 7

Verify field supply, polarity, fuse status and channel diagnostics group by group.
- 8

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

IMPORTANT NOTICE

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.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	PP45563-T8842
Configuration	Verify field supply, polarity, fuse status and channel diagnostics group by group.
Functional release	Perform controlled point-to-point and safety-function proof tests before release.

Engineer FAQ

Q1 How should the complete PP45563-T8842 identity be verified before replacement?

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.

Q3 Which host or carrier must be checked before installing PP45563-T8842?

The FTA is paired with the selected Trusted input or output module and uses grouped field-supply and terminal connections. Commissioning verifies group function, fuse and resistor execution, polarity, field supply and point-to-point response.

Q5 Which wiring or connector records should be retained for PP45563-T8842?

Record TB1–TB40 channels and TBG/TBFP group terminals before disconnection. Confirm each fitted fuse and resistor matches the channel's configured function.

Q7 Which diagnostics must be reviewed after fitting PP45563-T8842?

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

Q2 What system role does PP45563-T8842 perform in the documented installation?

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.

Q4 What isolation and ESD controls apply when handling PP45563-T8842?

Place the safety function and all associated final elements in the approved maintenance state. Isolate each field-supply group and use ESD controls at the Trusted interface.

Q6 How should the approved configuration for PP45563-T8842 be restored?

Restore the approved Trusted module, cable and FTA configuration.

Q8 What controlled acceptance test completes work on PP45563-T8842?

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

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