

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.

IDENTITY	VERIFIED VALUE
Manufacturer	ICS Triplex
System family	Trusted TMR versatile field I/O system
Part number	PP45563-T8842
Product role	Terminates forty versatile field I/O channels
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING 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.

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PP45563-T8842

Technical Specifications

Technical values below are limited to the named ICS Triplex product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Trusted model	T8842	Recommended current	220 mA per channel
Field channels	40	Maximum power dissipation	9 W
Channel groups	5 groups of 8	Operating temperature	-5 to +60 deg C
Input signal	0 to 20 mA analogue or digital	Humidity	5 to 95 percent, non-condensing
Output use	Digital output	Input limiting resistor	250 ohm, 7 W, 1 percent
Field supply	18 to 28 V DC	Measurement resistor	250 ohm, 0.25 W, 0.1 percent
Maximum field current	2.52 A per group		

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Trusted TMR versatile field I/O system
Primary system role	Terminates forty versatile field I/O channels
Connection boundary	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.
Controlled acceptance duty	Trusted analogue input marshalling

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.

Pre-Installation Checks

- 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.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	PP45563-T8842
Installed host	Trusted TMR versatile field I/O system
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

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

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Trusted TMR versatile field I/O system
2	40
3	Trusted analogue input marshalling
4	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.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Trusted TMR versatile field I/O system
Interface role	Terminates forty versatile field I/O channels
Field / power 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 evidence	Perform controlled point-to-point and safety-function proof tests before release.

Installation and Connection Checks

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.

MANUFACTURER SOURCE RECORD

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

Applications and Engineering Context

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.

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.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	PP45563-T8842 recorded
Host / carrier	Trusted TMR versatile field I/O system
Physical interface	Terminates forty versatile field I/O channels
Configuration	Verify field supply, polarity, fuse status and channel diagnostics group by group.
Functional proof	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.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	PP45563-T8842
Approved role	Trusted analogue input marshalling
Final validation	Perform controlled point-to-point and safety-function proof tests before release.

Engineering 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.

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

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