

3000510-180

9561-810 Digital Input ETA Assembly

Triconex 3000510-180 is the ETA assembly number associated with the 9561-810 digital input termination panel. It connects fused 115 V AC/VDC field inputs to compatible Tricon modules.

PRODUCT SNAPSHOT

BRAND

Triconex

FAMILY

Tricon v9-v10 field termination assembly

PART

3000510-180

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PRODUCT OVERVIEW

Triconex 3000510-180 is the ETA assembly number associated with the 9561-810 digital input termination panel. It connects fused 115 V AC/VDC field inputs to compatible Tricon modules.

1

Provides the external termination assembly identified with panel model 9561-810

2

Terminates sixteen commoned 115 V AC/VDC digital input circuits

3

Fuses each input and indicates an open point fuse

4

Pairs with two panels per thirty-two-point 3501E or 3501T input module

SYSTEM COMPONENTS

9561-810 termination panel

3501E or 3501T digital-input module

4000093-110 I/O cable

115 V AC/VDC input circuits

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Triconex 3504E	High-Density Digital Input Module	Open product page
Triconex 3008	Main Processor Module	Open product page
Triconex 4210	Remote Extender Module Set	Open product page
Triconex 4119A	Enhanced Intelligent Communication Module	Open product page

TECHNICAL DATA

PARAMETER	VALUE
ETA assembly number	3000510-180
Termination model	9561-810
Panel type	Commoned
Nominal field voltage	115 V AC/VDC
Input points	16
Point protection	1 A slow fuse
Fuse indication	Blown-fuse indicator per point

PARAMETER	VALUE
Leakage current maximum	3.3 mA per point
Leakage current typical	2.5 mA per point
Compatible modules	3501E; 3501T
Points per module	32
Panels per module	2
Associated cable	4000093-110

TECHNICAL NOTE

Verify both the 3000510-180 assembly number and 9561-810 panel marking, retain the correct half-module labels, and prove fuse indication plus field-state transfer after installation.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

115 V shutdown-permissive termination

Provides the external termination assembly identified with panel model 9561-810

Fused AC/DC field-state interface

Terminates sixteen commoned 115 V AC/VDC digital input circuits

Thirty-two-point 3501 input split-panel wiring

Fuses each input and indicates an open point fuse

Legacy ETA identity verification

Pairs with two panels per thirty-two-point 3501E or 3501T input module

PRODUCT PRECAUTIONS

- 1 Verify 3000510-180 and the 9561-810 panel marking before replacement.
- 2 Isolate the 115 V AC/VDC field source and prove every input conductor safe.
- 3 Record whether the panel carries channels 1-16 or 17-32.
- 4 Use the documented one-amp slow fuse and inspect each blown-fuse indicator.
- 5 Check field leakage against the connected input device and module threshold.
- 6 Confirm the matching module is 3501E or 3501T and that two panels serve its thirty-two points.
- 7 Seat cable 4000093-110 without stressing the ETA connector.
- 8 Test each assigned state and related safety logic before returning the panel to service.

ENGINEER FAQ

Q1 What evidence should be retained after 3501E/3501T split-panel assignment testing on 3000510-180?

Retain the full 3000510-180 identity, as-left connections or settings, final diagnostics, measured functional-test result, and authorization to return the affected process function to service.

Q3 How should an engineer verify 3000510-180 to 9561-810 identity for 3000510-180?

Use the approved connection drawing and the model-specific values in Field Terminations Guide for Tricon v9-v10 Systems; preserve the as-found terminal, connector, polarity, shield, and channel identity.

Q5 Which installation error is most important to prevent on 3000510-180?

Do not interchange 3000510-180 with an adjacent execution or alter its matched 9561-810 termination panel; the exact electrical, channel, and connector arrangement must be retained.

Q7 Which diagnostics should be reviewed after installing 3000510-180?

Review the applicable point, module, power, communication, or load indicators for 3000510-180, then confirm the intended role: provides the external termination assembly identified with panel model 9561-810.

Q2 Which installed hardware must be matched before fitting 3000510-180?

Match 3000510-180 to 9561-810 termination panel and 3501E or 3501T digital-input module, then confirm the complete physical marking and assigned Tricon v9-v10 field termination assembly position.

Q4 What check is required for 115 V AC/VDC isolation when commissioning 3000510-180?

Apply a controlled signal or command within the documented range and compare the field result, controller indication, and product diagnostics before normal operation.

Q6 How is one-amp slow point fuses handled during a 3000510-180 replacement?

Record the installed state first, isolate the associated process function, reproduce only the approved model-specific arrangement, and verify it before energization.

Q8 Can 3000510-180 be substituted for a similar Triconex model without a configuration review?

No. Confirm the exact model, companion hardware, signal execution, system version, and approved configuration before any substitution.