

9563-810

16-Point 24 V Digital Input Termination Panel

Triconex 9563-810 is a commoned sixteen-point 24 V digital input termination panel. It interfaces fused field-state circuits with compatible Tricon TMR input modules.

PRODUCT SNAPSHOT

BRAND

Triconex

FAMILY

Tricon v9-v10 digital input termination

PART

9563-810

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PRODUCT OVERVIEW

Triconex 9563-810 is a commoned sixteen-point 24 V digital input termination panel. It interfaces fused field-state circuits with compatible Tricon TMR input modules.

1

Terminates sixteen commoned 24 V digital input circuits

2

Protects each field point with a slow fuse and blown-fuse indicator

3

Pairs two panels with one thirty-two-point 3503E or 3505E module

4

Provides separate channel-label sets for the first and second half of the module

SYSTEM COMPONENTS

3503E or 3505E digital-input module

4000093-310 I/O cable

24 V AC/VDC field supply

fused contact or sensor 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
Panel type	Commoned
Nominal field voltage	24 V AC/VDC
Input points	16
Power terminals	Commoned PWR+ / PWR-
Leakage current maximum	3.3 mA per point
Leakage current typical	2.5 mA per point
Point protection	1 A slow fuse
Fuse indication	Blown-fuse indicator per point

PARAMETER	VALUE
Compatible modules	3503E; 3505E
Points per compatible module	32
Panels per module	2
Panel width	4.5 in (11.43 cm)
Panel length	5 in (12.7 cm)
Panel height	4.25 in (10.795 cm)
ETA number	3000510-380
Associated cable	4000093-310

TECHNICAL NOTE

Confirm the selected channel-label set, measure field leakage against the input device, and prove fuse indication and ON/OFF state transfer after reconnecting 9563-810.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Fused permissive and interlock input termination

Terminates sixteen commoned 24 V digital input circuits

Thirty-two-point DI split-panel wiring

Protects each field point with a slow fuse and blown-fuse indicator

3505E low-threshold input installations

Pairs two panels with one thirty-two-point 3503E or 3505E module

Blown-fuse diagnostic maintenance

Provides separate channel-label sets for the first and second half of the module

PRODUCT PRECAUTIONS

- 1 Verify 9563-810 and the 24 V input-module assignment before wiring work.
- 2 Place the affected interlocks in their approved maintenance state and isolate field power.
- 3 Record whether the panel is labeled 1-16 or 17-32 before removing conductors.
- 4 Use only the documented one-amp slow fuse for each protected point.
- 5 Check aggregate field leakage against the connected sensor and module thresholds.
- 6 Inspect commoned PWR+ and PWR- terminations for polarity and secure clamping.
- 7 Seat cable 4000093-310 without bending or loading the panel connector.
- 8 Prove fuse indication, OFF/ON transitions, and the associated safety logic before release.

ENGINEER FAQ

Q1 Which installation error is most important to prevent on 9563-810?

Do not interchange 9563-810 with an adjacent execution or alter its matched 3503E or 3505E digital-input module; the exact electrical, channel, and connector arrangement must be retained.

Q3 Which diagnostics should be reviewed after installing 9563-810?

Review the applicable point, module, power, communication, or load indicators for 9563-810, then confirm the intended role: terminates sixteen commoned 24 v digital input circuits.

Q5 What evidence should be retained after half-module label selection testing on 9563-810?

Retain the full 9563-810 identity, as-left connections or settings, final diagnostics, measured functional-test result, and authorization to return the affected process function to service.

Q7 How should an engineer verify 3503E versus 3505E pairing for 9563-810?

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.

Q2 How is slow-fuse and blown-fuse indication handled during a 9563-810 replacement?

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

Q4 Can 9563-810 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.

Q6 Which installed hardware must be matched before fitting 9563-810?

Match 9563-810 to 3503E or 3505E digital-input module and 4000093-310 I/O cable, then confirm the complete physical marking and assigned Tricon v9-v10 digital input termination position.

Q8 What check is required for 3.3 mA maximum point leakage when commissioning 9563-810?

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