9662-810

Fused 16-Point 24 VDC DO Termination Panel

Triconex 9662-810 is a fused sixteen-point commoned 24 VDC digital output termination panel. It connects a 3604E module to protected field loads.

PRODUCT SNAPSHOT

BRAND	**FAMILY**
Triconex	Tricon v9-v10 digital output termination
PART	**ORIGIN / HS**
9662-810	USA / 8537101190

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PRODUCT OVERVIEW

Triconex 9662-810 is a fused sixteen-point commoned 24 VDC digital output termination panel. It connects a 3604E module to protected field loads.

1. Terminates sixteen commoned 24 VDC outputs from a 3604E module
2. Protects each load point with a fast fuse and visual blown-fuse indication
3. Commons the panel field-power supply through PWR+ and PWR- terminals
4. Provides a one-panel field interface for all sixteen 3604E output points

SYSTEM COMPONENTS

- 3604E digital-output module
- 4000094-310 I/O cable
- 24 VDC commoned field supply
- sixteen protected DC loads

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Triconex 3664	Dual Digital Output Module	**Open product page**
Triconex 9662-610	24 VDC Digital Output Termination Panel	**Open product page**
Triconex 3008	Main Processor Module	**Open product page**
Triconex 8312	230 VAC Power Module	**Open product page**

TECHNICAL DATA

PARAMETER	VALUE
Panel type	Commoned
Nominal field voltage	24 VDC
Load terminals	16
Power terminals	Commoned PWR+ / PWR-
Maximum total current	16 A
Point protection	2.5 A fast fuse
Fuse indication	Blown-fuse indicator per point

PARAMETER	VALUE
Compatible module	3604E
Compatible module points	16
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	3000520-380
Associated cable	4000094-310

TECHNICAL NOTE

Match 9662-810 only to the documented 3604E arrangement, install the correct fast fuses, and prove every output plus its blown-fuse indication after reconnecting field power.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Fused solenoid-output termination

Terminates sixteen commoned 24 VDC outputs from a 3604E module

3604E field-load interface

Protects each load point with a fast fuse and visual blown-fuse indication

Blown-fuse diagnostic maintenance

Commons the panel field-power supply through PWR+ and PWR- terminals

Sixteen-point commoned output cabinet

Provides a one-panel field interface for all sixteen 3604E output points

PRODUCT PRECAUTIONS

1. Verify 9662-810 and the connected 3604E module before wiring work.
2. Place all sixteen commanded loads in their approved safe condition.
3. Isolate commoned 24 VDC power and record PWR+ and PWR- polarity.
4. Use the specified two-and-a-half-amp fast fuse at each point.
5. Inspect every blown-fuse indicator and replace only the affected fuse.
6. Keep total panel current inside the sixteen-ampere limit.
7. Seat cable 4000094-310 and verify all sixteen channel identities.
8. Command each output and test fuse indication before returning the panel to service.

ENGINEER FAQ

Q1 Which installed hardware must be matched before fitting 9662-810?

Match 9662-810 to 3604E digital-output module and 4000094-310 I/O cable, then confirm the complete physical marking and assigned Tricon v9-v10 digital output termination position.

Q2 How should an engineer verify 3604E-only compatibility for 9662-810?

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.

Q3 What check is required for 2.5 A fast point fuses when commissioning 9662-810?

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

Q4 Which installation error is most important to prevent on 9662-810?

Do not interchange 9662-810 with an adjacent execution or alter its matched 3604E digital-output module; the exact electrical, channel, and connector arrangement must be retained.

Q5 How is sixteen-amp total panel limit handled during a 9662-810 replacement?

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

Q6 Which diagnostics should be reviewed after installing 9662-810?

Review the applicable point, module, power, communication, or load indicators for 9662-810, then confirm the intended role: terminates sixteen commoned 24 vdc outputs from a 3604e module.

Q7 Can 9662-810 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.

Q8 What evidence should be retained after blown-fuse indication testing testing on 9662-810?

Retain the full 9662-810 identity, as-left connections or settings, final diagnostics, measured functional-test result, and authorization to return the affected process function to service.

SOURCE Field Terminations Guide for Tricon v9-v10 Systems | 9700052-018, February 2009

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