

INDUSTRIAL AUTOMATION PRODUCT

9662-610

16-Point 24 VDC Digital Output Termination Panel

Triconex 9662-610 is a commoned sixteen-point 24 VDC digital output termination panel. It connects self-protected Tricon output modules to field loads.

IDENTITY	VERIFIED VALUE
Manufacturer	Triconex
System family	Tricon v9-v10 digital output termination
Part number	9662-610
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Triconex product record.

PARAMETER	TECHNICAL VALUE
Panel type	Commoned
Nominal field voltage	24 VDC
Load terminals	16
Power terminals	Commoned PWR+ / PWR-
Maximum total current	16 A
Total current with 3625	10 A maximum per panel
Compatible TMR modules	3624; 3625
Compatible dual modules	3664; 3674
3624 points	16
3625 / 3664 / 3674 points	32
Protection requirement	Self-protected modules only
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	3000520-390
Associated cable	4000094-310

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System Role and Architecture

Triconex 9662-610 is a commoned sixteen-point 24 VDC digital output termination panel. It connects self-protected Tricon output modules to field loads.

FUNCTION 1

Terminates sixteen 24 VDC sourced digital-output load circuits

FUNCTION 2

Commons the PWR+ and PWR- field-supply terminals across the panel

FUNCTION 3

Supports selected self-protected TMR and dual digital-output modules

FUNCTION 4

Provides the numbered field interface for one half of a thirty-two-point module

Matched system components

- 3624 or 3625 TMR digital-output module
- 3664 or 3674 dual digital-output module
- 4000094-310 I/O cable
- 24 VDC load supply and protected field loads

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3624 or 3625 TMR digital-output module
Companion hardware	3664 or 3674 dual digital-output module
Field connection	4000094-310 I/O cable
Primary system function	Terminates sixteen 24 VDC sourced digital-output load circuits
Controlled acceptance duty	Commoned solenoid-output termination

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Applications and Engineering Context

Commoned solenoid-output termination

Terminates sixteen 24 VDC sourced digital-output load circuits

Thirty-two-point module split-panel wiring

Commons the PWR+ and PWR- field-supply terminals across the panel

Dual digital-output field interface

Supports selected self-protected TMR and dual digital-output modules

Low-density DO upgrade-panel integration

Provides the numbered field interface for one half of a thirty-two-point module

TECHNICAL NOTE

Use 9662-610 only with the listed self-protected modules, observe the panel current limit, and install the required supervised-point load before validating LOAD/FUSE diagnostics.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	9662-610 / 9662-610 recorded
Physical interface	3624 or 3625 TMR digital-output module
Companion check	3664 or 3674 dual digital-output module
Functional proof	Terminates sixteen 24 VDC sourced digital-output load circuits
Application test	Commoned solenoid-output termination

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Engineering Precautions

1

Verify the 9662-610 panel label and module pairing before disconnecting any load.

2

Isolate commoned 24 VDC power and prove the field loads de-energized.

3

For a thirty-two-point module, identify whether the panel carries channels 1-16 or 17-32.

4

Do not use 9662-610 with a digital-output module that is not self-protected.

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Keep total panel current within sixteen amperes and within ten amperes when paired with 3625.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Triconex 3664	Dual Digital Output Module	Open product page
Triconex 3008	Main Processor Module	Open product page
Triconex 8312	230 VAC Power Module	Open product page

MANUFACTURER SOURCE RECORD

Field Terminations Guide for Tricon v9-v10 Systems

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