



3674

Triconex 32-Point Dual 24 VDC Digital Output Module

Product scope

- Supplies thirty-two commoned 24 VDC output signals.
- Uses self-protecting switches rated for two amperes per point.
- Supports de-energize-to-trip behavior during a stuck-on fault.
- The selected module is the 3674 dual-output version rather than the similar 3664 operating-behavior variant.

Official source basis

Schneider Electric / Triconex Tricon Product Guide, Dual Digital Output Module Specifications.

Technical facts are limited to the identified manufacturer documentation and the exact ordering configuration shown above.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	Triconex 3674	

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3674 technical profile

Triconex 3674 provides thirty-two 24 VDC outputs through a dual-channel safety-oriented design. Serial output data is checked by independent circuits before the module drives commoned field loads.

Its behavior is optimized for de-energize-to-trip programs: when diagnostics identify a stuck-on point, the other outputs are commanded off. Self-protecting switches remove the need for individual termination fuses in the documented configuration.

A replacement must keep the 16–30 VDC field range, current budget, termination option and program fail-state strategy intact. Verify surge demands and total commoned load before returning the rack to operation.

Selection notice

3674 intentionally de-energizes other points after a stuck-on diagnosis; confirm the process fail-state philosophy before substitution or logic changes.

Technical specifications

Output signals	32, commoned
Nominal voltage	24 VDC
Voltage range	16 to 30 VDC
Maximum voltage	36 VDC
Module architecture	Dual digital output
Recommended program style	De-energize-to-trip
Maximum point current	2 A
Surge current	10 A for 10 ms
Typical voltage drop	<1.5 VDC
Maximum load leakage	2 mA
Logic power load	<10 W
Point isolation	1500 VDC minimum
Field fuses	Not required; self-protecting
Point indicators	On / Off, one per point
Module indicators	PASS / FAULT / ACTIVE
Field indication	LOAD / FUSE
Standard ETP	9662-610F
Nonincendive ETP	9671-610F
ERT option	9671-810F
Operating temperature	0 to 60 °C
Storage temperature	-40 to 85 °C
Relative humidity	5 to 95%, non-condensing
Installation environment	Industrial control enclosure

Application and integration notes

Monitoring & Control	• Point indicators show the commanded on or off state for all thirty-two outputs. • Module status indicators report PASS, FAULT and ACTIVE conditions to maintenance personnel. • A field alarm identifies load or switch behavior that does not follow the commanded result.
Performance	• The operational field-voltage window is 16 to 30 VDC with a 36 VDC maximum. • Each point supports up to 2 A and the documented ten-millisecond surge limit. • Typical on-state drop remains below 1.5 VDC in the stated load range.
Protection	• Output switches are self-protecting, so the standard termination does not require individual fuses. • Minimum point isolation is specified at 1500 VDC. • The stuck-on response commands the remaining outputs to their de-energized state.

Request product documentation and quotation support

Send the complete label, system configuration, quantity and destination.



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