

TRICONEX SAFETY SYSTEM

Product Data Sheet

3401

TMR digital output module

FUNCTION TMR digital output module	FAMILY Triconex safety system	ORIGIN United States	WEIGHT 1.4 kg
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Triconex 3401 is a TMR digital output module for the Triconex safety system. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Module Type	TMR digital output module
Output Points	16 commoned channels
Nominal Output Voltage	24 V DC
Operational Voltage Range	15–30 V DC
Maximum Output Voltage	33 V DC
Maximum Reverse Voltage	–0.6 V DC
Switching Current	3 A typical; below 4.8 A limited
Continuous Carry Current	1.5 A typical
Field Alarms	Loss of power and output short detection
Off-state Leakage	Below 1 mA

ADDITIONAL PRODUCT DATA

Diagnostic Glitch	500 µs typical; below 2 ms
On-state Voltage Drop	Below 1 V DC at 1.5 A
Loop-back Scan Time	Below 1 ms for all 16 points
Isolation to Protective Earth	500 V DC minimum
Logic Isolation	800 V DC minimum

OFFICIAL APPLICATIONS

- Safety control: Configured process-protection function
- Field integration: Documented signal and termination circuits
- Lifecycle service: Controlled replacement and diagnostics

SYSTEM COMPATIBILITY

Match 3401 to the installed Triconex safety system, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Trident Planning Installation Guide](#)

<https://www.se.com/ww/en/product-range/63717-triconex-safety-systems/>

AMIKON PRODUCT SUPPORT

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