

TRICONEX SAFETY SYSTEM

Product Data Sheet

DO 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 DO 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

Component Type	TMR digital output module
Order Reference	DO 3401
System Platform	Triconex safety control system
Primary Function	Voted digital output control
Channel or Port Capacity	16 output points
Electrical Classification	24 V DC nominal outputs
Compatible Hardware	Trident DO2401 baseplate
Mounting Arrangement	Trident I/O baseplate
Connection Interface	Commoned field-output terminals
Diagnostic Coverage	TMR voting and output diagnostics

ADDITIONAL PRODUCT DATA

Documented Variant	Model 3401 Trident module
Operating Environment	0 to 60 °C controller service
Storage Environment	–40 to 75 °C equipment storage
Relative Humidity	5 to 95% non-condensing
Commissioning Requirement	Verify every affected safety path

OFFICIAL APPLICATIONS

- Operate sixteen voted loads: Apply the 24 V outputs to documented shutdown solenoids and interposing relays.
- TMR output voting: Confirm all internal paths agree before the safety application controls field loads.
- Baseplate commissioning: Verify the DO2401 terminals, dual power feeds and point response after insertion.

SYSTEM COMPATIBILITY

Match DO 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/work/products/industrial-automation-control/triconex-safety-systems/>

AMIKON PRODUCT SUPPORT

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