

TRICONEX SAFETY SYSTEM

Product Data Sheet

3301

Trident digital input module

FUNCTION Trident digital input module	FAMILY Triconex safety system	ORIGIN United States	WEIGHT Confirm before dispatch
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Triconex 3301 is a Trident digital input module for the Triconex safety system. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Component Type	Trident digital input module
Order Reference	3301
System Platform	Triconex safety control system
Primary Function	Commoned digital input acquisition
Channel or Port Capacity	32 input points
Electrical Classification	24 V DC field inputs
Compatible Hardware	Trident DI2301 baseplate
Mounting Arrangement	Trident I/O baseplate
Connection Interface	Numbered commoned terminals
Diagnostic Coverage	TMR input voting and self-test

ADDITIONAL PRODUCT DATA

Documented Variant	Model 3301 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

- Monitor 32 commoned signals: Map field switches and permissives to their original baseplate terminals.
- Triplicated acquisition: Compare the three internal input paths through module and controller diagnostics.
- State-change validation: Exercise representative On and Off conditions before releasing the safety logic.

SYSTEM COMPATIBILITY

Match 3301 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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