

TRICONEX SAFETY SYSTEM

# Product Data Sheet

## DI 3301

TMR digital input module

|                                      |                                  |                         |                  |
|--------------------------------------|----------------------------------|-------------------------|------------------|
| FUNCTION<br>TMR digital input module | FAMILY<br>Triconex safety system | ORIGIN<br>United States | WEIGHT<br>1.3 kg |
|--------------------------------------|----------------------------------|-------------------------|------------------|

Triconex DI 3301 is a TMR digital input 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 input module          |
| Input Points              | 32 commoned channels              |
| Nominal Input Voltage     | 24 V DC                           |
| Operational Voltage Range | 15–30 V DC                        |
| Maximum Input Voltage     | 33 V DC                           |
| Maximum Reverse Voltage   | –0.6 V DC                         |
| Input Delay               | Below 10 ms in either direction   |
| Filter Time Constant      | 6.4 ms                            |
| Input Impedance           | Approximately 3 kΩ with baseplate |
| Input Power at 24 V       | 0.2 W per point                   |

## ADDITIONAL PRODUCT DATA

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|                   |                              |
|-------------------|------------------------------|
| Off-state Region  | 0–5 V DC                     |
| Transition Region | 6–14 V DC                    |
| On-state Region   | 15–30 V DC qualifies as ON   |
| Diagnostic Method | Force-to-value diagnostic    |
| ADC Scan Time     | Below 1 ms for all 32 points |

## OFFICIAL APPLICATIONS

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

## SYSTEM COMPATIBILITY

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Match DI 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

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### Trident Planning Installation Guide

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

AMIKON PRODUCT SUPPORT

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